<212> DNA
<213> Homo sapiens

<400> 1572
atcaaagcag tggacaagaa ggctgctgga gctggcaagg tcaccaagtc tgcccagaaa 60
gctcagaagg ctaaatgaat attatcccta atacctgcca ccccactctt aatcagtggt 120
ggaagaacgg tctcagaact gtttgtttca attgg 155

<210> 1573
<211> 527
<212> DNA
<213> Homo sapiens

<400> 1573
ctggagaagt tacttttatt cttgcagttt tatactagga agtcaacatt taataagcca 60
tcatccacaa ttgattaaaa atgtttaatc cttaaattgt gcatcaatat cctatgactc 120
caaattttat ttatcactct ccttcaagtc tgaagaaaat gattaatttg ctaagttcca 180
cagacagtac agtcccactg acataacatt tagtatgatg tcctactctc atattagaat 240
taaggacagc cagtatcaaa ctggcctgaa acctgattgt gttcctggtt cagaatacct 300
gtagtaaatc tgtaaatcca caccaagaca caacattaaa ctagggtgtg tatatcttat 360
aaaaaccttt tcacagtaaa aatcaacatt aaaattttac caaattccaa cattatggtt 420
tttgaatcca attaagcttt caaaatgcct gattagctgt gaattaatta taaataactt 480
catgtagttt gcccagcatt tcaaaatggt tatggactat catgttt 527

<210> 1574
<211> 427
<212> DNA
<213> Homo sapiens

<400> 1574
ccattttctc cctgacggtc ccacttctct ccaatcttgt agttcacacc attgtcatgg 60
caccatctag atgaatcaca tctgaaatga ccacttccaa agcctaagca ctggcacaac 120
agtttaaagc ctgattcaga cattcgttcc cactcatctc caacggcata atgggaaact 180
gtgtaggggt caaagcacga gtcatccgta ggttggttca agccttcgtt gacagagttg 240
cccacggtaa caacctcttc ccgaacctta tgcctctgct ggtctttcag tgcctccact 300
atgatgttgt aggtggcacc tctggtgagg cctgtcagag tggcactggt agaagttcca 360
ggaaccctga actgtaaggg ttcttcatca gtgccaacag gatgacatga aatgatgtac 420
tcagaag 427

<210> 1575
<211> 520
<212> DNA
<213> Homo sapiens

<400> 1575
ctgtagcaca aacagatttg aaggagccgc tgaaagttct tggcattact gacatgtttg 60
attcatcaaa ggcaaatttt gcaaaaataa caaggtcaga aaacctccat gtttctcata 120
tcttgcaaaa agcaaaaatt gaagtcagtg aagatggaac caaagcttca gcagcaacaa 180
ctgcaattct cattgcaaga tcatcgcctc cctggtttat agtagacaga ccttttctgt 240
ttttcatccg acataatcct acaggtgctg tgttattcat ggggcagata aacaaaccct 300
gaagagtata caaaagaaac catgcaaagc aacgactact ttgctacgaa gaaagactcc 360
tttcctgcat ctttcatagt tctgttaaat atttttgtac atcgcttctt tttcaaaact 420
agttcttagg aacagactcg atgcaagtgt ttctgttctg ggaggtattg gagggaaaaa 480
acaagcagga tggctggaac actgtctgag gaatgaatag 520

<210> 1576
<211> 201
<212> DNA
<213> Homo sapiens

<400> 1576
ttcgtgggca aacgcagagg cgggaacaaa ctagccctca agacgggaat agtagccaag 60
aagcagaaga cggaggatga ggtattaaca agtaaaggtg acgcgtgggc caagtacatg 120
gcagaagtga aaaagtacaa agctcaccag tgcggtgacg atgataaaac tcggccccta 180
gtgaaatgac gcccctcccc c 201

<210> 1577
<211> 313
<212> DNA
<213> Homo sapiens

<400> 1577
aaaatctctt cttcctcagg agtcagcttg gctcccttct tgcggcccag gggcagcgca 60
taatgggact cgtaccactg tcggtacggt gtgctgtcga tgagcacgat gcaattcttc 120
accagggtct tggtacgaac cagctcgtta ttagatgcat tgtagacaac atcgatgatc 180
cttgttttac gagtacaaca ctctgagccc caggagaaat tccccacgtc caacctcagg 240
gcacggtatt tcttgttacc tccccgcaca cggactgtgt ggatgcggcg ggggccaatc 300
ttggtgttgg cag 313

<210> 1578
<211> 151
<212> DNA
<213> Homo sapiens

<400> 1578
gcatgaaacc cctgtcacat atcccctaga ttgctcaatc aatcacgacc ctttcatgtg 60
aaatctttag tgttgtgagc ccttaaaagg gacagaaatt gtgcacttga ggagctcaga 120
ttttaaggct gtagcttgcc gatgctccca g 151

<210> 1579
<211> 419
<212> DNA
<213> Homo sapiens

<400> 1579
aaaccaaagt ttagaaagag gtttttgaaa tgcctatggt ttctttgaat ggtaaacttg 60
agcatctttt cactttccag tagtcagcaa agagcagttt gaattttctt gtcgcttcct 120
atcaaaatat tcagagactc gagcacagca cccagacctc atgcgcccgc ggaatgctca 180
ccacatgttg gtcgaagcgg ccgaccactg actttgtgac ttaggcggct gtgttgccta 240
tgtagagaac acgcttcacc cccactcccc gtacagtgcg cacaggcttt atcgagaata 300
ggaaaacctt taaaccccgg tcatccggac atcccaacgc atgctcctgg agctcacagc 360
cttctgtggt gtcatttctg aaacaagggc gtggatccct caaccaagaa gaatgttta 419

<210> 1580
<211> 221
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 11, 12, 13, 15, 16, 23, 28, 32, 40, 48, 49, 51, 52, 60,
71, 75, 84, 89, 110, 113, 114, 116, 120, 124, 127, 129,
134, 135, 136, 141, 148, 149, 150, 157, 158, 159, 163, 165,
166, 167, 170, 171, 184, 189, 212, 217, 218, 220
<223> n = A,T,C or G

<400> 1580
naaagacaaa nnntnngcag tgnactgnga ancttcttan tgggctannt nntccaggcn 60
tgaagcacct ncgtnatctt tgangaacna tcccttggac actgcgctgn aannanattn 120
accnacnanc atannnctca natgcacnnn gctcgcnnnt gcntnnnggn nttggtactt 180
accntgtant gtgatgacaa tactctgcct cnaccanntn t 221

<210> 1581
<211> 220
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 12, 13, 15, 18, 20, 24, 31, 35, 37, 40, 44, 54, 62, 63, 64,
71, 72, 74, 83, 84, 85, 92, 110, 191, 203, 207, 210, 213,
215
<223> n = A,T,C or G

<400> 1581
aaaagacaaa anntntgnan aggnctggga ngctncntan tggnctacat aatncagccc 60
tnnngcacct nngngatctc tgnnnaactt tnccttggtg actgtgcttn atccacatta 120
accatgcttg catattgtct cacattcacc aagcttgttc ctgccttggg gcctttgtac 180
ttaccatggt ntgttttgag aanactntgn ctnangatat 220

<210> 1582
<211> 391
<212> DNA
<213> Homo sapiens

<400> 1582
ccacagcacc agcctcttct ctagaacttg ctactcttaa ctcctttaat atcaaacttc 60
tttacccttc aaggtccctt cagcatggcc cttgccctcc tgtctcttct ttctctgcct 120
ctcgctgtaa ctcactgctc acacttttac ctctgcatct ccacacacca aaccttccaa 180
caaaacaggc ttctctctgc aggcaattca catccctcac ctccttcaaa ctctacctcg 240
aaactcctct tttccagaaa gcgctcggtc tccctggttc cagtccctca ttacctggct 300
cacgtaatgc tctgggtatc agaggacctg ggctatagtc ctggtcctgc cacctgttgg 360
ctgttatggt cttatgtatt ttcttatttt t 391

<210> 1583
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 211, 268, 370

<223> n = A,T,C or G

<400> 1583
ccagtgaaag gaaacaaaac tggcagtttg tccatttgaa tatcagacct agtttcttct 60
taatttccac actatttctc ccatattcct taaacttctt ggcatccttc atgccttaca 120
gctacccaga tgcaataaag tcattgtaca gtatttctta caatataagt tatatgcaat 180
gttcagcatt ttttttttt cacagcacta nagaccctgt taaatagggg atatgagtca 240
gaatggctta ttcacagatg gggtccanat tcagtggttg gaacacagac accacagtga 300
gctcctttgc aaagtggcaa acataatttt gctttctgcc ttcaaaaaca tatatccatc 360
gcgtttaggn tt 372

<210> 1584
<211> 221
<212> DNA
<213> Homo sapiens

<400> 1584
ctgctgcttc agcgaagggt ttctggcata accaatgata aggctgccaa agactgttcc 60
aataccagca ccagaaccag ccactcctac tgttgcagca cctgcaccaa taaatttggc 120
agcagtatca atgtctctgc tgattgcact ggtctgaaac tccctttgga ttagctgaga 180
cacaccattc tgggccccat taaataccgt agagccctct c 221

<210> 1585
<211> 375
<212> DNA
<213> Homo sapiens

<400> 1585
ctgattttta tttttcttct tgattctctt ctacagtttc caaattctct acaatgaaca 60
tgtacttctt tttaatatca aaagacaaaa gaattggtac gtaaaaagaa catccttccc 120
atcttcaagg tcaagattga acgctgactc ctgcaggaag tcttccagga ttcccaggca 180
ggaatgatgg ctccctgtcc ctgtagctcc aggagttctt gcttcacgca cgccccacat 240
accagactga atgttggcag gaggagtgac caggtcggtc atctgtgtcc ctaccaccta 300
caacaggcca gcaatctacc cgtgtgtgtt tgttggacag aattaaccat gatgggcggc 360
cgagggcgcc tggag 375

<210> 1586
<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 31, 54, 89, 117, 127, 140, 153, 156, 165, 175, 179, 203,
223, 236
<223> n = A,T,C or G

<400> 1586
aaaaaaatcc ccactgtcat gaacataaat ngaggttttc agcccgggta taanctgaat 60
caaaaaaagg aaataaaaaa tccaatagng tattaaacat ttttcactca tttgccntac 120
tgacagngca aatacaaatn tggactaaat gtncanactc tcaancaaca atgtncagnt 180
ttcttcgtcc tccatgctaa aanatgtaaa agcttaaggg tcnaacaata ccaatngtat 240
aggcttcaaa aaccatctaa gttaggg 267

<210> 1587
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 28, 56, 235, 287
<223> n = A,T,C or G

<400> 1587
aaaattcatg gaagtaataa acagtagnta aaatatggat actatgaaaa ctgacncaca 60
gaaaaacata accataaaat attgttccag gatacagata ttaattaaga gtgacttcgt 120
tagcaacacg tagacattca tacatatccg gtggaagact ggtttctgag atgcgattgc 180
catccaaacg caaatgcttg atcttggagt aggataatgg ccccaggatc ttgcngaagc 240
tctttatgtc aaacttctca agttgattga cctccaggta atagttntca aggttttca 299

<210> 1588
<211> 329
<212> DNA
<213> Homo sapiens

<400> 1588
gatgacttca tttctcagga cagaatgaca caaacacaag aagcagtctc tagggctggc 60
tgagaccaca tttatctgtt ctcctaaaag cactagctca gctcccaaaa gaagaattac 120
aaatctgaga agttagagga aaggtacaga ataggaattc tgattaacaa gaaaaatcaa 180
ttaatgacat tggtactcta ttcttcatat cagtaataat acaaactcag ccctttaaa 240
tcagagaatc tgccattcta tatctaataa agtagcttta caacccctaa agtaaaagaa 300
ttacatgaag gtgtaaacca atttgcctc 329

<210> 1589
<211> 303
<212> DNA
<213> Homo sapiens

<400> 1589
aaaaaatttg atttagcatt catattttcc atcttattcc caattaaaag tatgcagatt 60
atttgcccaa agttgtcctc ttcttcagat tcagcatttg ttctttgcca gtctcatttt 120
catcttcttc catggttcca cagaagcttt gtttcttggg caagcagaaa aattaaattg 180
tacctatttt gtatatgtga gatgtttaaa taaattgtga aaaaaatgaa ataaagcatg 240
tttggttttc caaaaaaaaa aaaaaaaata aaaaaaaaaa aaaaaaaaaa aaaaagcttg 300
tac 303

<210> 1590
<211> 130
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 26
<223> n = A,T,C or G

<400> 1590

atatttttttt cctttgcatt catctntcaa acttagtttt tatctttgac caaccgaaca 60
tgaccaaaaa ccaaaagtgc attcaacctt accaaaaaaa aaaaaaaaaa gaataaataa 120
ataacttttt 130

<210> 1591
<211> 123
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 13, 25, 38, 61, 97
<223> n = A,T,C or G

<400> 1591
cctaaagagc tanagaagca agtangggcc agggccanag tcggcttcaa tggaacaaca 60
ncccagtgcc ctaaggcccc taactcttgc tggctgnttc ttgaccccaa gccagggttg 120
gga 123

<210> 1592
<211> 614
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 513, 606
<223> n = A,T,C or G

<400> 1592
ctgaagaaac aggtataaat ttggcagcca gtaattttga cagggaagtt acagcttgca 60
tgactttaaa tatgtaaatt tgaaaatact gaatttcgag taatcattgt gctttgtgtt 120
gatctgaaaa atataacact ggctgtcgaa gaagcatgtt caaaaatatt taattcactt 180
caaaatgtca tacaaattat ggtggtttct atgcacccct aaagcttcag tcatttagct 240
caggtacata ctaaagtaat atattaattc ttccagtaca gtggtgtttc ataccattga 300
catttgcata ccctagaata atttagaaag acatgtgtaa tattcacaat gttcagaaaa 360
gcaagcaaaa ggtcaaggaa cctgcttggt tcttctgaga tggtctcata tcagcttcat 420
aaacattcat tctacaaaat agtaagctaa catttgaaca caatttccaa gataaagcat 480
attttctcat aaataatgaa gtctttttct cangcacctc agaagtatac aaaagaattt 540
gagtttgaac agatctcttg gaatgtgttt aacctggtat ttcaacagac ttaagatttc 600
cagggnttca caag 614

<210> 1593
<211> 460
<212> DNA
<213> Homo sapiens

<400> 1593
aaaatgtcca gaataagcaa atctccatat agaggaagta gattagtggt tgcttcggga 60
tgggaggaat gggaagattg aggtctttct tttgcagtga taaaaatgtc ctaaaattga 120
ctgtagcgat ggccacacaa ctctgaatat gcttaagacc attgaattac acactttacg 180
ttggtgaatt gtatggtatg taaattatag ttcaataaca tagttacaaa agataatcaa 240
aagcatgaaa gcactattga tgtggtttgg atctgtgtcc tcaccgagtc tcatgttgaa 300
atgtaagccc cctggtggga ggcgatggga ttatggggca gagtcctcac aaacggttta 360

gcaccacccg ctcagtgctg ttctcctgat attgagtcct catcacatct ggttgcttca 420
aagtgtgtgg tgcctcccct ctgtctccct cctgctctgg 460

<210> 1594
<211> 226
<212> DNA
<213> Homo sapiens

<400> 1594
tgacaatcct ggaaatctgt tctccagaat ccaggccaaa aagttcacag tcaaatgggg 60
aggggtattc ttcatgcagg agaccccagg ccctggaggc tgcaacatac ctcaatcctg 120
tcccaggccg gatcctcctg aagccctttt cgcagcactg ctatcctcca aagccattgt 180
aaatgtgtgt acagtgtgta taaaccttct tcttcttttt tttttt 226

<210> 1595
<211> 204
<212> DNA
<213> Homo sapiens

<400> 1595
gttctggaag caaaaggccc aaggtggagt attcagaaga ggagctgaag acccacatca 60
gcaagggtac gctgggcaag ttcactgtgc ccatgctgaa agaggcctgc cgggcttacg 120
ggctgaagag tggtctgaag aagcaggagc tgctggaagc cctcaccaag cacttccagg 180
actgaccaga ggccgcgcgt ccag 204

<210> 1596
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 21, 58, 59, 61
<223> n = A,T,C or G

<400> 1596
aaagacatgc caatttgaat nggcatcaaa gtaaaaaaat aaaagcaaat gctaaaannt 60
nctttacaat aaaaaaatta aataattggc aggttaaatg aatgtaaaat gaggaatgta 120
cagtgaaaaa caaactaata taaagcattc cagttgataa aaacctcctc aggcttatgg 180
tttgttttcc aaggaaatta tgtttcaatg taaagtttga aatactccag acatacattc 240
catgtaggtt ttgggtgcca atgttaaaat ttcaaatttt gcatgcaagg cttagcaaag 300
aaacactggc agaattccag catttgcaaa attctaagtt ttggtgaata ttgtaaatat 360
tacaattggt attagaaagc catgatgaat ccagaattaa gagaaaaccc atttcataaa 420
tattttgttt gattaaaaaa taccaggctt accatgttct aaataattca agaaaacatc 480
ttt 483

<210> 1597
<211> 165
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 56, 59

<223> n = A,T,C or G

<400> 1597
aaatgaagaa accatgcctt taggggcccg tgaacacaga accctcaaga caaggntgnt 60
ttatctggag gacacatcta gctgccattg caacctcact gggctcccca gactctgtgt 120
gtgagaaatt aaaccccctg cttgcttgaa aaaaaaaaaa aaaaa 165

<210> 1598
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 22, 464, 471
<223> n = A,T,C or G

<400> 1598
ctgcaccatt ttcaggatca tnttgatatc ctgcatgggc attgcaaaaa tcttcagctt 60
cttacagcac aggcgtagta cattttttctt tcgcttcact ttctcaatga ggtaggagaa 120
caattcatca caggcacctt ccttgaggaa caggtctacg agcacctcta ctggaatgaa 180
gggctgctct gcctctgtgc tcaaaccatc tacttttcgc ttctttgtca tgggctgagc 240
tgcttctggc tctggaaatg agtacagact ggccctgttt ccagaccata cagtccagaa 300
gtcctgatga gagttcttcc gtaaatccag cacttgaagt ttccacctcc tggggcgaac 360
ctcctgggca aggagcacat caagtccatc aagcacagct ttgaaggtct ccaggtgaag 420
atgttgtccc ttcatcacgc actcccagag ggaggcaggt gaanggccag ng 472

<210> 1599
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 22, 54, 58, 61, 180
<223> n = A,T,C or G

<400> 1599
ccagggctgg tgttgggcct tnagcagcat cttccggtgc tatcctcccc tccnaccntt 60
nacagctaaa gccaagtcca gcggccgcag tcttcacctc tccacactca ctttttatct 120
ggtgttttta cttctgcctg cgtttgctct ctagccaata aaccgtcctt gtgtgcgagn 180
caaaaaaaaa aaa 193

<210> 1600
<211> 370
<212> DNA
<213> Homo sapiens

<400> 1600
ccacgcaggt cagtggtaat caaaactctg ctagagccag aacgaaactc cctcataatc 60
acgtctcgtt ccttttggtc catatctcca tgcatggcgg atacagtgaa atctcgagca 120
tgcatcttct cggtgagcca gtccaccttc ctccgggtgt tgatgaagat gactgcctgg 180
gtgatggtca gggtttcata caagtcacat agtgtgtcca gcttccactc ctctcgttcc 240
acgttgatgt agaactggcg gataccctcc agggtcaact cttccttctt gacaagaatc 300

cgaatggggt ccctcatgaa cttcttggtc acctcaagca catcagaagg cattgtggct 360
gacagcaaaa 370

<210> 1601
<211> 548
<212> DNA
<213> Homo sapiens

<400> 1601
aaaaaacctt caatcaacaa tatataaata acttaatctg aggtaagagg gaaaaatgcc 60
ctgcaaacac tttagaaaaa cacatctctg ccacactaca gaaatagacc tttaccacat 120
cttctgaatc cccagttccc tccatctacc aaagattttg ggcaccagaa ctaaagatga 180
gaatctctcc caccctacc acttccaggt aaacacaaag ttcatgttca gccaggctaa 240
agtacaagaa aactgaaccc actctccatc ccaccccatc ctaggatagg tggggccagg 300
gcagaaatca tggaatgctc aggactccac ccctcccaag tgcactgagg taagttctgg 360
aactgagctt cctcccaacg agccactcac ctcctctggg agttcattca cctcctctcc 420
cttcctcaaa ggacaatgtt taatctctga aattcctctt gccttgtcag cagccaccat 480
ctggctgcca ctccaaccag tcctcaaaag aactcagcct ccaaccctga ccccaaatct 540
gtccaacc 548

<210> 1602
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 23, 219, 325, 335
<223> n = A,T,C or G

<400> 1602
ctggagaccc aagttccctt ctnattgctc agggtttagg tgtgtcatct gcctcacccc 60
actccccat acatcatgcc ctgtgacttg atgcttcatc ttgcatggtt catgactggc 120
gccatgggca ctggaaaggt gtggtttcca agacccctc ctaccctcca tccagtagct 180
gtcaaaggga aacttggtga ggtcagctct ctcactcana agggagacag ggaaaaaggc 240
agaaaggaag ggagctgtta ggatacccaa cagaatccca tctggccttg gtgcccctaa 300
aggctgtaaa acttggtact tttgngttcc cagangctat ttatccaagg tggctagtaa 360
attgccttac tgatccaatg ggttcccccc accccacctt gg 402

<210> 1603
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 20
<223> n = A,T,C or G

<400> 1603
aaatgttgaa ctgagctaan gatgcacttt cttgtggaca tagaaggggc ccacgtaagg 60
ccctgagtag gctccttagt tgctgcttta cctgatgagg gccaaagaga ttaactctgc 120
ctcgttgcca tgtctcagaa aagttgccat atttcaccca gaaggggctc gtttttctct 180
tactcttact ttaaccatgt gcctggagga gccattctgg gctcttgcac ttgcccagcc 240

tttctttgcc aggggcagag aagggaaagg gggtagattg agtgtgccaa gggccgtgca 300
agggcaggct tgctttccac ccatctgctg agggagccct ctcccctcgc tccttgcctc 360
tgttcacacc tgttgtcttg gaagaggatg gtccctttgt cttaaggctt tgtgataaag 420
tcatctccag ttaggatctg cacctgtttc cttcgtaata gtgcctggcg gcctttctga 480
agtta 485

<210> 1604
<211> 424
<212> DNA
<213> Homo sapiens

<400> 1604
ccaatcagtt tgcaatttat aaacctgtca ctgatttttt ccttcaactt gtggatgcag 60
gcaaggtgga tgatgccaga gctctcctac agagatgtgg tgcaattgct gaacaaaccc 120
cgattttgtt gttgttcctc cttaggaatt ctaggaaaca aggaaaggca tcaactgtga 180
aatctgtgtt agaattgatt cctgaattaa atgaaaagga agaagcatac aattccctca 240
tgaaaagcta tgtctcagag aaagatgtca catctgctaa agcactgtat gaacatttga 300
ctgcaaagaa tacaaaattg gatgatctgt ttctaaagcg ttacgcatct ttgctgaagt 360
atgctggaga gcctgtccct ttcattgaac cccctgaaag ctttgaattt tatgcacagc 420
agct 424

<210> 1605
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 475
<223> n = A,T,C or G

<400> 1605
aaaaggctag aacatccttt gacttcttga aaatctgcat gtctggcttg ggttttatta 60
ccacatgcct gagttcttca agaatggaag gctcaagtat tctcatcttc catttgccaa 120
acttccttcc tgatttgagt cacgtgttcc acttggaaag aaagggaaca gagagcctcc 180
tccatggaca gtgtatgaat ttcattggga atcttgctct ctcccgcctc tatgcctttc 240
tctcttttta accttacttt acataatatt atagatgggc caagaaaaga aaagatgaca 300
taacattttg atgaattaca cctattccat tcttcacgtt tcagaattgg tcgactttgt 360
tagaagataa ttgaagtagc cttgggtcaa aagcaacctt ttcaattgtg atcataccta 420
aaacatataa aaaccctgcc gtagattaaa agcaattata aaatcataaa attgnatgtt 480
tgcagaatcc tggagcagta gatttctttg tctttggcct gcggact 527

<210> 1606
<211> 536
<212> DNA
<213> Homo sapiens

<400> 1606
cctgtctcca aggtccctta gagcaaccca tacaaccaac aggctgcgta cactaccaag 60
gaagctgctg tgtgcagcca tcgcacactg ggtccccatg aggaaaggaa ctcagtcggc 120
ttaattggct gcggagcatc ccaagaacca ctgaaaaggc gccactgggc tcctctgcca 180
gcttcagcta cctgctggca agatggttgt cattcagcta aaagcaagaa gagctactcc 240
catcaccagt gtttccccta acctgtgggg aagagcttgc taagacttac tcatgctttg 300
tttgtatctg caggaagggg tcctgagtga ccactgaaag tcacttgcca gcctggcttt 360

tctagtagcc atagtggctg agtcactggg gccacctcta tgctctgata aaataatgca 420
agcctaataa tgtagagact ccaactgcct taaaaggccc agaccaagct cacctgtcag 480
ccccagcaca ggacaacatc ttgttgatgc ggatgacgtg gaaggggtgg agccgc 536

<210> 1607
<211> 124
<212> DNA
<213> Homo sapiens

<400> 1607
tacgtgatag atgttacgct gccttgttga aaatttcact gactttgatt ttattacttt 60
tttaatgata gttatcaaac ttgtatttaa gctgcttgtc atttatggaa tattgaactt 120
attt 124

<210> 1608
<211> 327
<212> DNA
<213> Homo sapiens

<400> 1608
aaaaccaaaa aaaaaaaaga gagagagatt aaaaacagtg cattacaaaa acaaaaatca 60
aacttcctta agtggcactt ctgaaagttg aactgacact accagaagaa atttaggcca 120
gttaagacag ggatgttctt actcaattgg tcattaaaaa catccacttg tttgtaatac 180
gtatttataa ttacttttttg atgattgaaa aatagaacaa ggttttacta ggtttactta 240
tgacaatgac tagacaacca gagatccaac tggcttagcc ctacttatcc aaaagtacat 300
ttccaataag aatatacttc aatgatt 327

<210> 1609
<211> 208
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 200
<223> n = A,T,C or G

<400> 1609
aaaggctttc tttgagctca tttgtaggct tatctaccta ctgagtaaag tagttgggtg 60
tcctaatttt attaatagga ttaatttttа ttataaatca ttagagatgt tttgatactt 120
tagttaaaac tgctttttag taaatttgtt tttctttgca gatatgaggg aaggcaccat 180
tggagatatg gctatcctgn gtataaca 208

<210> 1610
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 63, 360
<223> n = A,T,C or G

<400> 1610

aaaatcaatg gtgatgttct tttttaagca acattcttct cttccctaat agctacaagt 60
atnatacagt acgcaacagc tcacttgaaa gtgctagaat cagaggataa agaagccata 120
agccacccca cttacatttc ctactataca atgccttttt ggcgcttgat aaatcaagca 180
ttcatgtagc attacattca acagaaacat ttctcgtact ttgggtttaa gatccttgtc 240
cctccagttc ggatgtcgtg acatctgact cttcatcatt gtaaatattt tcagccattt 300
gccatatctg catgatgtta tcctcagaca ctgagcaaat gacccaaggc tcattggggn 360
tccagctaaa atctgaaatc ttagcagtgt gtcctccatg aataaacagg agttctggag 420
gccca 425

<210> 1611
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 22
<223> n = A,T,C or G

<400> 1611
ctgggggcac tgaatctact antaacacaa gcaattcact ctgggaattc tgtcaaatat 60
ggtggtatct gttaaaagct tggaagtaga aaagggccag ttcatcttga tcatacaaat 120
tagggaatgc acccacaact gcaataccct caggcagtat gccaacattg aaatagaaag 180
catctctaaa aagcactgtt cctccatggg tgaagactgg tattaggaag tgcacacaca 240
atttttgggt atttgttgca acaggaacac gtggatttat gacactcaaa cctagacact 300
gcaaagttaa ctggtaagat ttttttttt tt 332

<210> 1612
<211> 546
<212> DNA
<213> Homo sapiens

<400> 1612
aaacaacaag acgcttgact tgaagggaaa actatctagg attcttttt gttttagagt 60
aatttatccc tacttaaaga cagattgccc tacatgtaac agctacgtac aaaaaagtta 120
taaaattgtc cttggtttta caatgataaa tgaaaaacat taaaattctc caattgaaca 180
aggtatgcaa ggatttttat gttgttgttt ttttttttg ttaaaacagt gagagcaaaa 240
taacttactg gaatataaag ataagagctg aatgagcatg ccactaatgg agaaaggggg 300
tattttcaca gaatcagtat ttttccccat cccgtctcca cttgatgtca atcaaaacat 360
accattggct gtttagttaa aaaaaaaaaa aatgcaatat gcttgtgcac atataccagt 420
tactttatgt acaataaagg aatggggaag ggggaaatga aagaatagag aaaactatac 480
ggtagtagtc aggatgtggt ggaaccaaat tgcagttttc taattgagaa tgtaatcttg 540
gtcttt 546

<210> 1613
<211> 546
<212> DNA
<213> Homo sapiens

<400> 1613
cctacttgtt tgcagcttcc acacactgca cctacctact acctctcttc catgcttaac 60
tgggtttaga aaggtgagct atgcgtagaa gaactacttg ggatattcaa gtgctgtatt 120
tgaacgataa gcctatagat aacagtctga agctgcaagg gagactttgt tagtacacta 180
ctataaacag gtaaactacc tgtttgtact tgatatagtg catatgaaat gactgattta 240

atacaaaact acagaacatg caaaattttt tctgagatgt taagtattac ttcagtggag 300
aacaaaactt acttaacctt tcgctaatgc atgtagtacc agaaagcaaa catggtttta 360
gcttccttta ctcaaaatat gaacattaag tgttgtgaat ttgtctgcca agtggttcag 420
aaatacatta taaataacct agttaaaaaa agaaactgtg aaccatcttg gtcagtctat 480
tctattctat gtttatatgt tattttctca agcaatcgct tcataattat agggtttaca 540
aaaagg 546

<210> 1614
<211> 314
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 60
<223> n = A,T,C or G

<400> 1614
ctgatgcggt ggtgcgtgtg atttgtcaaa agaaagcctt ctggatgctg ttaagatgtn 60
cccttcaggt gaacctggta tcagacccac agtacttgct gtttgagaaa aaataaaaac 120
aaaaaggtca cctgttctcc agccctttc tcttacctgg tatttccttc ctttctcctc 180
ccccacccca aataaaaaaa caaaaaacac tagaatttat ttatatgtat tgatgttgta 240
ggtctaggtg aaaaaaaaag aagtaaatgt ttcactgctc tatttatgaa aaaaaaaaaa 300
aaaaaaaaaa aaag 314

<210> 1615
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 21, 64, 203, 219, 290, 298, 310, 312
<223> n = A,T,C or G

<400> 1615
aaatatcaca agtaggtctt nagtgtcatc tggcatcttc tttctgtagc caggggattt 60
ttanatctta ttcatcagcc tgctgaacag ttccttttc agagacatag ataccatcca 120
aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaaacaag ctcaatgtca ttnccttcaa ggattaatnc atctttctgg gcttgagata 240
ctgaacaagc aacacctggt ctcatcctaa ccctgcggat atatttttcn cccaaganat 300
cgccggattn cnacaagag 319

<210> 1616
<211> 408
<212> DNA
<213> Homo sapiens

<400> 1616
ctgattaaaa catgtgtgag ctgaaggcag gcgatctgtg gacctgtcat ctcgatggat 60
ctgaaacttc tgaatgccat tcatgccttc gagggcagca aagccttgca ggggtacctt 120
ggaagtaccc gtgacaaact ggaggaactt ggcacggtca gcttgatcga aagaacgcaa 180
tgctctccag aaccactgga tctgaataga gttggactgg tacttgtggt attcagtgtt 240
ggatttcaga tcatcgatgt caatggtggg cagtcctgat ataagcagct ctaactcctg 300

ctcagtgaag atggaaatga ggcgctttgg aatgatctca tagaagcctt ctaagaaagc 360
cgccaactgc ttgcggatgg ctcctgtcat tctcatctgg cataccag 408

<210> 1617
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 56, 60, 64, 295, 344, 355
<223> n = A,T,C or G

<400> 1617
aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc cagggnactn 60
ttanatctta ttcatcagcc tgctgaacag ttccttttc agagacatag ataccatcca 120
aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
ctgaacaagc aacacctggt ctcatccgaa ccctgcggat gtatttttca cccangaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttngatggg gaagngagca 360
tacacagacc tcatcttg 378

<210> 1618
<211> 334
<212> DNA
<213> Homo sapiens

<400> 1618
aaaatgttac acaaatttct ttatgatagg acttctcaga gcttttagca ttctaatgca 60
gagtggaaat gtgaatggca ggattcagta taatcagcac gtcccaactc tatctgaaca 120
cagaactctt gttctgcata tcatcgattt gcacaccctg gaacaacgtt tggtagaaat 180
caacttggga aatgttgcac agcatgagtg atgaatacag ctaagttagg atcaaagtac 240
aggcgtatct cgttttactg cacttcactt tactgagctt catagatatt gtgcttttac 300
aaattgcacg tctgtagcaa tcctacattg aaca 334

<210> 1619
<211> 394
<212> DNA
<213> Homo sapiens

<400> 1619
aaatacatat aagttatttt acatttcttc catatgaaac caatttattc tgctgagtga 60
tttcacagat aaaggtgtta cttacttgac ttcaccatga caagaaaagg acaagttttt 120
ttaagcagca tctttatgaa ttttttatca gtggcagata ttttaatggg ctgcattttt 180
acaaattcct gatatattct ggagacctgt ggtacatttt tgctactctg gagatataaa 240
ttaaattagc atgatgtatt gccaaggacc accacgtgga ttgtctacat tgtgatccat 300
gaggcactga gaggactcgg ccctcagata caactcccct gggtagatgc ccaggcagaa 360
cccagcaaat gtatatgcat ctctgggctc tgag 394

<210> 1620
<211> 490
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 22, 433, 477, 479
<223> n = A,T,C or G

<400> 1620
ccatccacga tgtcctctga cngtgtgagg atgtactggc ccttgtagta gttgatgaga 60
ttgaggtact gcagagtgga gatgacatcc tccttcttga tgctggtgat ttcactaatc 120
tcattgatgg tgatctgtgg cctctccccg ctctccgact tcagccccat caggatctcc 180
aggatggtct gggaccagta gcttcgatag gataggaggc caaggtctga gaggggcttc 240
tcaggggtcc ctgttttccc ttccactttg gagagttcat agctgaactc gatcagcagc 300
ttgccgtagc cccggcgctg gtagggaggc agggttagga tgcaggccac attgtagtct 360
tccgttgatt ctttctcctt ggagaagtag cccacgatgt ggaagccctt acagtcatac 420
tctgtcatga cgnagaagag gaaagggtct gtgtcatagt acagtgtctt atggtcnang 480
aaacacttgg 490

<210> 1621
<211> 243
<212> DNA
<213> Homo sapiens

<400> 1621
cgcatatgca ctcaaaatgc tctttgtaaa ggaaagccac aacatgtcca agggacctga 60
ggcgacttgg aggctgagca aagtgcagtt tgtctacgac tcctcggaga aaacccactt 120
caaagacgca gtcagtgctg ggaagcacac agccaactcg caccacctct ctgccttggt 180
caccccccgct gggaagtcct atgagtgtca agctcaacaa accatttcac tggcctctag 240
tga 243

<210> 1622
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 21, 55, 59, 60, 397, 442, 471
<223> n = A,T,C or G

<400> 1622
aaaaatgtaa caaacatctt natatctgac aataaaatct gaaatgctgt aactngggnn 60
attaactgca ccatccaaat tcttgtgact tacgcatttt tgcccaattt aacctttctg 120
atgttccccct gcccccagac accataaatg cattgtaatt ttgaaaatat ctgccaacta 180
cacactgaaa attttaacct gatcaattga cataatataa aatctgtccc aaagcactga 240
aacaagaaaa tctataccat catgctacag acgtacttag aaaacttaaa aggaagagta 300
aatatcagct cagtgattta taatgaagct aataaaattc aggccagtat tcttaagtgt 360
aatgaacatt atttgaacat tcaacacatg aaaggtnaac aaaggctatg aacttggtgt 420
aacttaaaac gtttcagatg tngggagtct accagatgta attggattca ngtggatccc 480
gtcg 484

<210> 1623
<211> 278
<212> DNA
<213> Homo sapiens

<400> 1623
ccagttgcat ttcccctgca ggcttgagcc caagccagag ccttgaaaag gtattcaggt 60
tgttgcccaa aacactgaaa aaaactggcc ctggccctga accaaatacc ttgaaccctc 120
gtaaactcca taccctgacc cccttgtttt ggatataccc aggtagaaca actctctctc 180
actgtctgtt gtgaggatac gctgtagccc actcattaag tacattctcc taataaatgc 240
tttggactga tcaccctgaa aaaaaaaaaa aaaaaaaa 278

<210> 1624
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 7, 164
<223> n = A,T,C or G

<400> 1624
aaaatgntca tgtagaaaat taatgaacta taggaatagc tctaggagaa caaatgtgct 60
ttctgtaaaa aggcagacca gggatgtaat gtttttaatg tttcagaagc ctaacttttt 120
acacagtggt tacatttcac atttcactaa tgttgatatt tggntgatgg ttgagcagtt 180
gctgaaatac acatttagtg tatggaaata caagacagct aaagggctg 229

<210> 1625
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 62, 63, 367
<223> n = A,T,C or G

<400> 1625
ctgaaacgtt aactcagagg gtcttttgga gcaagtagtt ttcagaaagc gtctgctctt 60
tnngacggta aggatcctct acaagggcac gtgcagatcc aggcgctgga gcgtcaggca 120
tgggcaccat tttcatgctt caactcaaac tccaggtggt agtgagctca acggtccctc 180
attccacaaa acatgacagc aaattcatct tctaaaaaaa gttttgtttt gtttttaccc 240
attcaacagg aaaaaaaatt agacacacac gatgaaattt acaaccagca gcatcatcca 300
tcacactgtc tgtactacca gatcctacac ttaaagctca gcattattgg tataaaaact 360
taagacngca ttagaattct taagaaaagg tgtaaaattt 400

<210> 1626
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 97, 156, 183, 273, 292, 303, 304, 311, 341, 343, 351
<223> n = A,T,C or G

<400> 1626
gccgctctgg accgtctcaa ggtgtttgac ggcatcccac cgccctacga caagaaaaag 60

cggatggtgg ttcctgctgc cctcaaggtc gtgcgtntga agcctacaag aaagtttgcc 120
tatctggggc gcctggctca cgaggttggc tggaantacc aggcagtgac agccaccctg 180
gangagaaga ggaaagagaa agccaagatc cactaccgga agaagaaaca gctcatgagg 240
ctacggaaac aggccgagaa gaacgtggat aanaaatatt gacaactaca cngaggtcct 300
cannacccac ngactcctgg tctgagccca ataaagactg ntnattccct nagaaaaaaa 360

<210> 1627
<211> 584
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 309
<223> n = A,T,C or G

<400> 1627
cttgaagtcc agtgtttcca cggctggata cctgtgtgtc tccataaaag tcctgtcacc 60
aaggacgtta aaggcatttt attccagcgt cttctagaga gcttagtgta tacagatgag 120
ggtgtccgct gctgctttcc ttcggaatcc agtgcttcca cagagattag cctgtagctt 180
atatttgaca ttcttcactg tctgttgttt acctaccgta gctttttacc gttcacttcc 240
ccttccaact atgtccagat gtgcaggctc ctcctctctg gactttctcc aaaggcactg 300
accctcggnc tctactttgt ccccctcacct ccacccccctc ctgtcaccgg ccttgtgaca 360
ttcactcaga gaagaccaca ccaaggaggc ggccgctggc ccaggagaga acacggggag 420
gtttgtttgt gtgaaaggaa agtagtccag gctgtccctg aaactgagtc tgtggacact 480
gtggaaagct ttgaacaatt gtgttttcgt cacaggagtc tttgtaatgc ttgtacagtt 540
gatgtcgatg ctcactgctt ctgctttttc tttcttttta tttt 584

<210> 1628
<211> 163
<212> DNA
<213> Homo sapiens

<400> 1628
gcctggacgt acaataccac tttcgctgtc acggtaaagt ccgccatcag aagactgaag 60
gagttgaaag accagtagac gctcctctac tctttgagac atcactggcc tataataaat 120
gggttaattt atgtaacaaa aaaaaaaaaa aaaaaaaaaa aaa 163

<210> 1629
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 21, 22, 60
<223> n = A,T,C or G

<400> 1629
aaaccttatc ctaggaggac nntttcacat tgcgtctaac ctcttcctgg cctcttaatn 60
ttgggttgtt aaatcttatt tgctttattt ccttggttcc tctaagttgt aatctcggag 120
ttaaaaacag ctttagaacc ccgccccccc aaaaaaaaaa aaaaaaactt ttgagaattt 180
ttttcaaata aatgtccatt gcatagaatg ggtctgtgac tggctgcttc tacatctgca 240

cccaacatct ggcccccttc agaactctga gtggacagga tcaggatttg actcaggagg 300
attagaatgt gaagaatccg tgtttgaggg attcagttct ccaactgcct caaagggtct 360
caagtttgca taagtcacct cctgggccag 390

<210> 1630
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 61, 419
<223> n = A,T,C or G

<400> 1630
ccacatggtt gatgatgggt gcaaagttgg tagggccata gaggcgaact tggggcaggg 60
nttggcggta ggcatccaca atgccctgga tgcctgcaca gtaggggtta ctggggttga 120
aattcaaggc aaattcatgc gagacctgcc agtcaggggg aacctgggcc ccaaatccaa 180
atgcagggaa cagcttgtct gagtcatagt cctgaaccac gctgcccaca ctccacagtg 240
ccatcaggta ctcattgacc cctgttggac tcaggtagtg tagggagtca ggtgaggagg 300
ggtctccatt ggagccagtg aagtccacgc ccacagtgaa gttgatctga cagcctccca 360
tcacatagtc cagaaaggag tactctgttt ctacccgaca aatcttgaca cggatagtnc 420
cagagttctt gtagcttttc ttttctgct gcttctcagg gtggatgcat tcaaactcag 480
ccgggactgc ctgcag 496

<210> 1631
<211> 310
<212> DNA
<213> Homo sapiens

<400> 1631
taaccgaacc ctggctacct acagctacaa agaagctttg aagcttgatg tctactgttt 60
tgaagcgttc gatcttttaa catcacatca catgctgaca gcacaagaag aaaaagaact 120
tcttgaatca ctacccctta gcaagctgtg taatgaagaa caggaattgc tgcgttttct 180
atttgagaac aaattgaaaa aatataataa gcctagtgaa acggtcatcc ctgaatctgt 240
agatggcttg caagagaatc tggatgtggt agtgtcttta gctgagagac attattataa 300
ctgtgatttt 310

<210> 1632
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 20
<223> n = A,T,C or G

<400> 1632
ccaggagcta agcttgagtn tcctttactg aatttcgttc ttagtgcagg ttacttgtag 60
attctagtct tcacaggctc cctggggctc ttaactagtc acactgggag tcatgaatgt 120
ctttccaata attcagggaa ttctagagat cctcaaactg taaggtctat tcatactcaa 180
cacaaggaaa aaacctcatt aaaattaatg actaatcagg aagcaacgta accaaaagca 240
cagtgaatga aagttttcat ggtaggttca acatgggttt attgctagaa agatccaggg 300

gatagcttta ggtttaactt cggctcacca acgtaacttt ctaatcattt atttcaagta 360
atagctagaa gtgggtctga atgttttccc agagtctgat acgtgttttt ttttgccaga 420
agagaggtct tcaggagact tcattt 446

<210> 1633
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 59, 60, 267
<223> n = A,T,C or G

<400> 1633
aaattaaaag tgccctacct ttacctaaat ggctagcaga catggagaac accacagtnn 60
tgaatccaca gagctttctc catgtagcta taacaatgtg ttgtcgaatg gcacactgtc 120
aaacactgga aaggggcgcc acaatggacc tctctctttt ataggaacga atgctagatt 180
caactatctc aactaagcag gaagtgggtt cttctgctag gaatgccaac cctaattcac 240
tttgtcttga aatatataca gattgtntgt agtagctacg gcaatgatat tttccttggg 300

<210> 1634
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 297, 301
<223> n = A,T,C or G

<400> 1634
acgggacccg ctatggggcc tccctccgga aaatggtgaa gaaaattgaa atcagccagc 60
acgccaagta cacttgctct ttctgtggca aaaccaagat gaagagacga gctgtgggga 120
tctggcactg tggttcctgc atgaagacag tggctggcgg tgcctggacg tacaatacca 180
cttccgctgt cacggtaaag tccgccatca gaagactgaa ggagttgaaa gaccagtaga 240
cgctcctcta ctctttgaga catcactggc ctataataaa tgggttaatt tatgtanaaa 300
naaaaaa 307

<210> 1635
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 19, 58, 325
<223> n = A,T,C or G

<400> 1635
cctgctcgct gggcagacnt accatgtggc tgtggtctgc tacctgaggt ctcaggtnag 60
agccacctac catggaagtt tcagtacaaa gaaatctcag cccccacctc cacagccagc 120
aaggtcagct tctagttcaa ccatcaatct aatggtgagc acagaaccat tggctctcac 180

tgaaacagat atatgcaagt tgccgaaaga cgaaggaact tgcagggatt tcatattaaa 240
atggtactat gatccaaaca ccaaaagctg tgcaagattc tggtatggag gttgtggtgg 300
aaacgaaaac aaatttggat cacanaaaga atgtgaaaag gtttgcgctc ctgtgctcgc 360
caaacccgga gtcatcagtg tgatgggaac ctaagcgtgg gtgg 404

<210> 1636
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 8
<223> n = A,T,C or G

<400> 1636
ngatgatncg ccaagcttgg taccgagctc ggatccacta gtaacggccg ccagtgtgct 60
ggaattcgcc cttagcgtgg tcgcggccga ggtccattcc agaggactct ttagtcatat 120
gcagcaacat gacattttag ataccctgtg taggaccatt gaatctacaa tccatgtcgt 180
cacaaggata tctggcaaag gaaaccaagc tgcttcttga cattaggtgt agcatgtcta 240
cttttaagtc cctcaccccc aacccccatg ctgtttgtat aagttttgct tatttgtttt 300
tgtgcttcag tttgtccagt gctctctgct tgaatggcaa gatagattta taggcttaat 360
tcttggtcag gcagaactcc agatgaaaaa aacttgcatc ttcagtatac ttcctaaagg 420
gcaatcagat aatggatatg ttttatgtaa ttaagagttc actttagtgg ctttcattta 480
atatggctgt ctgggaagaa cagggttgcc tagccctgta caatgtaatt t 531

<210> 1637
<211> 610
<212> DNA
<213> Homo sapiens

<400> 1637
ccttgcacaa agatggtgtt gttgtctgaa ttatcctgtt cggagtcatg acgtgatcct 60
tggtcccgag ggcctttagt gacatggaaa aaaagaacaa aaaaaaaaca aaaacaagga 120
aaagatgagc cgttagtcaa caggaaaaaa cggacaagga aaaaaattaa caccaaatcc 180
aaacttgtaa aatatcaagt aagtgctcac agcctcactc caaacccttt cctgggtcgc 240
ctgcccagag gagaaaattc taggcaggcc ccttaagatc tgtaacttga gtctccacag 300
agacaactcc acacttcaga aaatgctgcc tcccccagct caggctggga aatgtcctca 360
gcacaggtgg caggggaaac ggagacccat taaagtgaac aaaccaactc agcttggccc 420
ggttctctca cccgagagaa gagagatggg ctcgccacca gccatgcgat gtgcatccat 480
ccagtttctc ccaactttac caccagacac ttaacccttg tggaacaatt tttaatttct 540
ctttagaaac catccttaaa accgtgttgt ttccccgaaa ccacatgaaa ataaaaacca 600
tacataatag 610

<210> 1638
<211> 385
<212> DNA
<213> Homo sapiens

<400> 1638
ccatcttctc taaaacccaa attgcatgtg cactgagaaa aatgttactg cttcaaaaca 60
accaaaaaatg ggaaaataac tgaagtctag aaacagattt tctccttcta gactcccagc 120
gggctcggcc agcagttcct tattcaaaat caatgtgtct ataatcaact ctagtatgtc 180
cacagttcac ccaaatgcca gatacattaa gactaccaaa tacaaaccta aaatgttccc 240

cccaaaattt cccttaaaac tgttccccaa tacctgcaat tcacagatat aatttagcat 300
ttttgttttt atatactaat ttaggcaaaa ccccccccgcc actgaatcgt ccaacaaaaa 360
tgattaattt gatagaaaca aattt 385

<210> 1639
<211> 408
<212> DNA
<213> Homo sapiens

<400> 1639
aaaaaataaa attataaaca aaatacagaa aaatattgac acctgtgata acaaggaaat 60
gactcttaag ggcagtttgt tgtcctgggg gaaaaaatca taagtgttat aaagaaatat 120
tattgtgcaa aggaggaatg taatatttaa ggttcattta caacgggcat ttggcgtcga 180
cagaaaaagt ctttctatgt atacattcaa cattttgcag catatttaca ttcaagttac 240
atttccaaat tctatgccaa atacagtcta actcaccatc aacaatccct cagatattac 300
taaaatcctg tttatttggt aggagtgcaa tattatctta ttaggaaata attttatgtt 360
cctactaagt caactgcatt tttactactt taacaaaatt cgctgaca 408

<210> 1640
<211> 472
<212> DNA
<213> Homo sapiens

<400> 1640
ctggtaccaa taggaaagaa gactccagct aatgaaaaag tagagattca aaaacatgcc 60
acaggaaaga agtctccagc aaagagtcct aatcccagca cacctcgtgg gaagaaaaga 120
aaggctttgc cagcatctga gaccccaaaa gctgcagagt ctgagacccc agggaaaagc 180
ccagagaaga agccaaaaat caaagaagag gcagtgaagg aaaaaagtcc ttcgctgggg 240
aaaaaagatg cgagacagac tccaaaaaag ccagaggcca agtttttcac cactcctagt 300
aaatctgtga gaaaagcttc ccacaccccc aaaaaatggc ccaaaaaacc caaagtaccc 360
cagtcgacct aaagtcagtg attcaactgg aaggaaacct caatgctgcc tccagagctt 420
tttggaaata ctcagatcct ggccgccttt gtaaccttct ctaaacgtca gg 472

<210> 1641
<211> 520
<212> DNA
<213> Homo sapiens

<400> 1641
ccaagtcaaa attgggccca gcgtctttct ttctgtctta tgacagacca gcctccagcc 60
ttggtgtggt atctacatgt agccctgcgt accctgcttc tttttagcat tcaaggccca 120
ctcagggcct caaattagcc aatggtgaat atggatatag gacttttaga gggatgcagg 180
ttgagttgta cataacttag aggtgaagtg caggtccgaa acagggctag actttggaga 240
actgtaaaat ggctcactga gcatgacagc atcaggaccc ctggagtggc tttcaaactt 300
accttcttct gcaggctact tctggaaatc cctaggactt accagctttc tgaacactgc 360
gcatcatggg agggtgaaga ggaaaagggg ctagttaaaa tcttgcttct actgtgggcc 420
gaactcagga ggagccctaa agctaagccc ttgggcttga cagctctact tttcacctct 480
aactaccact gtgccaatga gtgccgagtg ccaagatcag 520

<210> 1642
<211> 322
<212> DNA
<213> Homo sapiens

<400> 1642
ctgaacacaa gcaaaccttc tcaggaggtg tctcctaccc tcttattgtt cctcttacgc 60
tctgctcaat gaaaccttcc tcttgagggt cattttcctt tctgtattaa ttataccagt 120
gttaagtgac atatataaga actttgcaca cttcaaatca gagcagtgat tctctcttct 180
ctccccttt ccttcagagt gaatcatcca gactcctcat ggataggtcg ggtgttaaag 240
ttgttttgat tatgtacctt ttgatagatc cacataaaaa gaaatgtgaa gttttctttt 300
actatctttt catttatcaa gc 322

<210> 1643
<211> 491
<212> DNA
<213> Homo sapiens

<400> 1643
aaaattctga tctatgcata aaattcattt ttatatcacg gttaaattta gtacaaacta 60
taaaaatgtt aacactgaag ttttcaacag aagtctatta agatgcctta gaaaaattaa 120
acaacagcaa gtcatttact gctatgaggt taatacataa agaaacattc acacatttta 180
ctgaaatttt cagtaaataa ctttagccat aacacttata attaaaagtt caaaagttgt 240
gtgtggctct acagcaatta taatttgcaa tgaaaacact aagccaaatc tttttgagct 300
gatcagaaca atcttagcta caaaattggc tgaaatttgc aaaccttaaa aagaacacca 360
attgtgaatg gaataggtat cataacttag cttaaagtgg aagatggtaa aaactcgatg 420
cttaagtctg aattgcacaa ggaaaatatt aggggaaaaa acactcagct attactgata 480
gctattactt t 491

<210> 1644
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 297
<223> n = A,T,C or G

<400> 1644
aaattattgt taaagaatac acaatttggg gtattgggat ttttctcctt ttctctgaga 60
cattccacca ttttaatttt tgtaactgct tatttatgtg aaaagggtta tttttactta 120
gcttagctat gtcagccaat ccgattgcct taggtgaaag aaaccaccga aatcccccag 180
gtcccttggt caggagcctc tcaagatttt ttttgtcaga ggctccaaat agaaaataag 240
aaaaggtttt cttcattcat ggctagagct agatttaact cagtttctag gcacctnaga 300
ccaatcatca actaccattc tattccatgt ttgcacctgt gcattttctg tttgccccca 360
ttcactttgt caggaaacct tggcctctgc taaggtgtat ttggtccttg agaagtggga 420
gcaccctaca gggacactat cactcatgct ggtggcattg tttacaagct agaaagctgc 480
actggtgcta atgccccttg gggaaatggg gctgtgagga ggaggattat aacttagg 538

<210> 1645
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 207
<223> n = A,T,C or G

<400> 1645
aaatagtaga gacggggtct tgttatgttc cacaggctgg tcttgaactc ctgggaccaa 60
gcaatcctcc cacctctgcc tcccaaagtg ctgggattat aggtccaagt caccacgccc 120
ggcctatttt attccacttc ggagaccgcc ccccttgtcc ctcagatgca tccaaatcag 180
gagttaggga tcatactcca ctgtggncct gaattataga ataatgaagt cctagatgtc 240
agcggccccc ggctgcatga tagtaagagt atggctgagc ctgtcttgca gatcatccag 300
tacctgtaca ggccaggcta cactgttctc cagcactctc tgtagccaag tgccagtaat 360
cacagactag gctacctct 379

<210> 1646
<211> 545
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 303
<223> n = A,T,C or G

<400> 1646
aaaaagaatt ttttttgccc tacaaactca tgaaaagaaa cttcaccatc ttttctcaaa 60
accaaaccta gcaggctcta gatggaaaaa gtccagaaag caactcactt gatatgatgg 120
aagacaacaa aggcatgtgg tgataggctc tccgttatcc aagggaagcc agcaatatgc 180
gggcaggtca ctggtgatgg gctaggcatg tccaataata aacgagactc agggaatcag 240
agaatcacag gattggaagg gactttaaga atgatgatca aattcatccc tcaagccttt 300
aanctccctt tcaacatctc tggcaaaggc tctacactgt gtgttaaaaa aattccctgg 360
tatgggacat gcaaggaaga catcccattc caatttagga ccgatctaat ttttagacac 420
tgctttcatg tgttaaacct aagtaggctt cttggtggaa aggagataat gcttaaaggc 480
aaaaatacaa gccacaaccc tggagggttg acgtggttct tggttaagaa actgagctga 540
agttt 545

<210> 1647
<211> 308
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 180, 206, 273
<223> n = A,T,C or G

<400> 1647
ctgaggttgt cagtacaatg aaaccaaact ggcgggatgg aagcagatta ttctgccatt 60
tttccaggtc tttgagttgc acgtcaaatc tggggctgat caccccacac ttgtttagcc 120
tgcctgtgag gttcacaaca attttcccag ctctgtggtc atcaatgatt tcaaattcgn 180
caatgtagcc atgcttcatc atcacngtga gaaaccggac gatgactttg gagcacggcc 240
taataagcac ctggcgtttg cctctctttt ggngcattgt tgatactctt gagagcagct 300
gccaggac 308

<210> 1648
<211> 144
<212> DNA
<213> Homo sapiens

<400> 1648
gttcttagac atgatcccaa aggcataatc cacagaagaa tccataaaag aaaaatttgt 60
aaattggact ttatcaaaat taaaaactta ctttttgag atggggtcat gctgtgttgt 120
ccaggctgga gtgtggtggt aagt 144

<210> 1649
<211> 517
<212> DNA
<213> Homo sapiens

<400> 1649
aaaaggagaa aaaaaaaacc tatacagtag tctttcctta tgttcattgc acaaaatgag 60
ttctgctttt agaactttga cactcaatgg ttaattttac aatttaagat tccaacttta 120
taacctttt tctactccaa aacacccttg taaagttttt ctttaggatg gtgtaaaaac 180
cagcatttct gcacaattca ctggaatttt tttctttgta ataaaaatct cttctctgta 240
aaaccaaaaa caaaacaaaa caaaacaaaa caaaaccaaa agaaaagtcc tctacctatc 300
atggtttctg cagctatgca tgtatttctg ttttatagct gctttatagc tacttcagac 360
tccagatctg ctttaatgtg tataactgca tccacacgca gcagaatact cttacaatag 420
caacttgggg aaagagatct ggaaaaaaaa atacatgagt accaggaaac aaacacggcc 480
cagtaaaata tgaggcaaaa atgcctacaa tgagatg 517

<210> 1650
<211> 410
<212> DNA
<213> Homo sapiens

<400> 1650
aaatgggtaa agccatttac ataatataga aagatatgca tatatctaga aggtatgtgg 60
catttatttg gataaaattc tcaattcaga gaaatcatct gatgtttcta tagtcacttt 120
gccagctcaa aagaaaacaa taccctatgt agttgtggaa gtttatgcta atattgtgta 180
actgatatta aacctaaatg ttctgcctac cctgttggta taaagatatt ttgagcagac 240
tgtaaacaag aaaaaaaaaa tcatgcattc ttagcaaaat tgcctagtat gttaatttgc 300
tcaaaataca atgtttgatt ttatgcactt tgtcgctatt aacatccttt ttttcatgta 360
gatttcaata attgagtaat tttagaagca ttattttagg aatatatagg 410

<210> 1651
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 14, 47
<223> n = A,T,C or G

<400> 1651
ctgcaccatt tttnggatca tcttgatatc ctgcatgggc attgggnaaa tcttcagctt 60
cttacagcac aggcgtagta cattttttctt tcgcttcact ttctcaatga ggtaggagaa 120
caattcatca caggcacctt ccttgaggaa caggtctacg agcacctcta ctggaatgaa 180
gggctgctct gcctctgtgc tcaaaccatc tacttttcgc ttctttgtca tgggctgagc 240
tgcttctggc tctggaaatg agtacagact ggccctgttt ccagaccata cagtccagaa 300
gtcctgatga gagttcttcc gtaaatccag cacttgaagt ttccacctcc tggggcgaac 360
ctcctgggca aggagcacat caagtccatc aagcacagct ttgaaggtct ccaggtgaag 420

atgttgtccc ttcatcagca ctcccagagg gaggcaggtg aagggccagg 470

<210> 1652
<211> 587
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 58
<223> n = A,T,C or G

<400> 1652
gtttctttag attcaagagt ttcgccacct ccgcagcaac ctcggggttg tctgcctnaa 60
gtgctttcag ttctcggaca atgtttcctt gttttgtcac ttcatccatc agcgcttgta 120
tctgctgtgg cttggctgtt gtaacagtct ctacaactgc tggcttcggg gacgtttttg 180
cctggagaac aacaaagtta tcaccagcaa ccataaatat cccctaacct ccagttttat 240
acagcatctc agagggaaag tggttacctt taagtcgaag gtctcttcta gttaagacag 300
gaaagaaaaa ctgtaagtga ggaagcggca gggccaaaag atggaaagag tgatgggtga 360
ggactactta gggaaattag ggaagtgatg ctgtggctgt tgtggagcga gggcacagcc 420
tttagctttc tcacctggcc ccctccaaag cgctgcctta aactttcaat ctggtcattt 480
tccaattttt ggaacaaggg actgactgtg ccaatctggt gtcctgctgg taaggtacac 540
aggaagtttg tcagcaggat actgcaggct ggaggtggga gctgcag 587

<210> 1653
<211> 271
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 23, 25, 26, 239
<223> n = A,T,C or G

<400> 1653
acactccaga atatatggaa aanannaaac agcgtttgtt tgaaaatttg cgcatgttac 60
ctcatgcacc tggtgtccag atgcaagcta ttccagaaga tgctgttcat gaagacagtg 120
gagatgaaga tggagaagat ccagacaaga gaatttctat tcgagcatca gacaagcgga 180
tagcttgtga tgaagaattc tcagattctg aggatgaagg agaaggaggt cgaagaaang 240
tggctgatca taagaaagga gcaaagaaag c 271

<210> 1654
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 83, 88, 91, 130, 157, 178, 185
<223> n = A,T,C or G

<400> 1654
gcaccatccg tctacttacc tcccttcggg ccaagcacac ccaggagaac tgtgagacct 60
ggggtgtaaa tggcgagacg ggnacttngg nggacatgaa ggaactgggc atatgggagc 120

cattggctgn gaagctgcag actcataaga cagcagngga gacggcagcc ctgctacngc 180
gaatngatga c 191

<210> 1655
<211> 82
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 21, 33, 36, 66, 75
<223> n = A,T,C or G

<400> 1655
gcctcttcat tcctctccca ncataacaat cgnggnaaca gaatgcgact gctgatttac 60
cgatgnattt aatgnaagta aa 82

<210> 1656
<211> 288
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 11, 46, 48
<223> n = A,T,C or G

<400> 1656
aaaatccttt naaaactgtt tattatacaa gtgagttttg agtgtntnat gggcttatcg 60
gtaggatttc tggtagcgag cgcgggcacc aggacctcca aacttttttgg actcgcagcg 120
acgagggtca gctaccagca gggtccggtc atactggatg aggatgtctt tgatctcctt 180
cttggaagcc tcatccacat atttctggta ataggccacc agggctttgg agatggactg 240
acggatagca taaatctggg ccacgtgacc accacccttt acacggac 288

<210> 1657
<211> 418
<212> DNA
<213> Homo sapiens

<400> 1657
atcttattca tcagcctgct gaacagttcc tttttcagag acatagatac catccaaaaa 60
tttcctgata tccttgtttt taactgttgt ggcttgctga atcaaagccg ctgaatttga 120
aacaagctca atgtcatttc cttcaaggat taattcatct ttctgggctt gagatactga 180
acaagcaaca cctggtctca tccgaaccct gcggatgtat ttttcaccca agaaatktcg 240
gatttcaaca agagacccat tctcctggat aacaacgttg atggggaagt gagcatacac 300
agacctcatc ttgtaacgga agcccagtgt aacacccttg atcatgttct gtacatgact 360
acaaatagtc cgaacggtag tcagttcctt tctgttaccc caccatttgt caacccgg 418

<210> 1658
<211> 352
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> 37, 39
<223> n = A,T,C or G

<400> 1658
acaggccact gttggtaaga tctaaagcat gcagtangna aacaaaattg ataaatattg 60
agtgtgagta attgggattg gggagattgt ggcaaactag aggggaagtg cccattgtaa 120
aaacacatcc acagacagtc caggcactaa ggctgaatgg gatcagggta tccagaaatc 180
tcaggatctc cagggccatg ttactgttag gtcaaggtca ctggtgcagc aacgaatgta 240
gtttttctag attcctctcc ctccctgggc tctttaccta atgtctttgc ggcacaggcg 300
gtaaccctgg gagtaaagag gtgtggtcca aggaagtagc ttttgtgacc ag 352

<210> 1659
<211> 579
<212> DNA
<213> Homo sapiens

<400> 1659
cattgtgtca aagagtgtgc caatctattt ttgtttcagc attggaagtg cactttcccc 60
tggggcgtgt gggtgtgtga atgtgcaagt gtctgagaga tactgcatca gccctagacc 120
cccagagcca gtcccgccct ttacagagca gcccttagcc tggggccatg ggtcaggctg 180
accttcaaca attatttcta gatgatttct ggataagaat tgctctctcg gtaccagaca 240
gtttgacatc ctccaccctt agaaaatgac tgacattgtt ttgttactgc tcctacccac 300
caaggggata aagaaggcga gttctgagtg ttggatgagt cagtcgcgtg gaaggacgtg 360
gagcgtggcg ctctgtaact tcctgccgtc tgccaccccg ccacgtgtat ttaaccctcg 420
cactttctcc actgtggaga tggctggggc ggcgccccac agtgtgtatt cctgtcctct 480
atgttagagt gcatcagaag cacatttact gtgctatcta tatctctata taaaagtgtt 540
ttataaaaac ccagaatagg agcacgacgc atgattggt 579

<210> 1660
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 15, 46, 49, 58, 61
<223> n = A,T,C or G

<400> 1660
ctggcccaca gcccncccctc tcccaggccc gagatgtgac ccaccngtnt cttctgtnaa 60
ntcgttagct ttaatcaatc atgccctgcc ttgtccctct cactccccag ccccacccct 120
aagtgcccaa agtggggagg gacaagggat tctgggaagc ttgagcctcc cccaaagcaa 180
tgtgagtccc agagcccgct tttgttcttc cccacaattc cattactaag gaaacacatc 240
aaataaactg acttttttccc cccaaaaaa 269

<210> 1661
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 16

<223> n = A,T,C or G

<400> 1661
ccaggctggt ctcagnactc ctgacctcaa gtgatctgct tgcttcagcc tcccgaagtg 60
ctgtgatcgt aggtgtgagc cactgtgccc agctacctca tcaattctta atctataaac 120
catggatagg cttcgggaga acccaagaac caatgaaatc tgttggtaag ttttatgtgt 180
gcggttttct acagagaggg tcaacagcat gtatattttc aaagaagtct gtggtgcaaa 240
agagagttta ttgttagaag tccttgggca atcaacttgg aaaagggtgg attgagaatg 300
ggggctgtct agatcaggat aatgttgaat ttgaccctca cttgaggctt ttgtacagag 360
gatgagaaga cggtaaattc aag 383

<210> 1662
<211> 369
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 13, 27
<223> n = A,T,C or G

<400> 1662
ccaagtcaaa atngggccca gcgtctntct ttctgtctta tgacagacca gcctccagcc 60
ttggtgtggt atctacatgt agccctgcgt accctgcttc tttttagcat tcaaggccca 120
ctcagggcct caaattagcc aatggtgaat atggatatag gacttttaga gggatgcagg 180
ttgagttgta cataacttag aggtgaagtg caggtccgaa acagggctag actttggaga 240
actgtaaaat ggctcactga gcatgacagc atcaggaccc ctggagtggc tttcaaactt 300
accttcttct gcaggctact tctggaaatc cctaggactt accagctttc tgaacacttg 360
cgcatcatg 369

<210> 1663
<211> 304
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 16
<223> n = A,T,C or G

<400> 1663
acgttttgtg acaggnaata aaattttaag aattcttaag tctaagggac ttgctcctga 60
tcttcctgaa gatctctacc atttaattaa gaaagcagtt gctgttcgaa agcatcttga 120
gaggaacaga aaggataagg atgctaaatt ccgtctgatt ctaatagaga gccggattca 180
ccgtttggct cgatattata agaccaagcg agtcctccct cccaattgga aatatgaatc 240
atctacagcc tctgccctgg tcgcataaat ttgtctgtgt actcaagcaa taaaatgatt 300
gttt 304

<210> 1664
<211> 361
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> 16, 78, 239, 306, 336
<223> n = A,T,C or G

<400> 1664
aaaaagtatt ctagcncaag atttttctgt aaactagatt atgttgtaaa ctttttttcta 60
aatcttgtag gagtgtcngt tgttaagaac tagagcttat tcctattcca aatctatctt 120
gcgctcctga aaaactgcag aaaggcactt gaaagctgtt tctttaagat atggatttct 180
tttttattct tgctggtaat atattgctgc actgagtgtg tgcaattttt attcaaggnc 240
atcgtgatgc tgagaagttt cgttgataac ctgtccatct ctagtttcaa cccgcttaat 300
cagaangtgc ccttttttgag tgggtatcaa ccaganggag tgaaaccaga ttagttctaa 360
a 361

<210> 1665
<211> 176
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 38, 170
<223> n = A,T,C or G

<400> 1665
aaaatggttt ctataaaggg ttttattgta tgaaatanaa ctttatattt ttgcatatgt 60
atagatagta attatattta atgtataact atagcattat ggtgagtgga atttgacatt 120
gtccaaacct ttttcatttt tgagtgatta aaaatgaaat gtcctttgtn aaaaaa 176

<210> 1666
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 208, 213, 358
<223> n = A,T,C or G

<400> 1666
ccttcacagc gctcctgtac cctttaattg tgtgtctttc tcacagctat ccgtcagtcc 60
atctccaaag ccccggtggc ctattaccag aaatgtgagt gagcatgggt ccttcccatg 120
aggtaggtgg gtgtgtgggg atcaagtcaa ggactctgtg tgattatcta aatcctcgtc 180
cctgctcttc ttgccagatg tggatgangc ttncaagaag gagatcaaag acatcctcat 240
ccagtatgac cggaccctgc tggtagctga ccctcgtcgc tgcgagtcca aaaagtttgg 300
aggccctggt gcccgcgctc gctaccagaa atcctaccga taagccccat cgtgactnaa 360
aactcacttg tataataaac agtttttgag ggatttt 397

<210> 1667
<211> 282
<212> DNA
<213> Homo sapiens

<400> 1667
ctggtgctgc tgggaggcca gcctggaaga ggcagcagtg gctcaagttt gcgtgcagga 60

gccagagtgg gacccacggg ctcttgtggg tgtggtttag aactagatgg tgctttgggg 120
acaagccatc caaaaacccc aggcccacat ccaccctgat ttgatatccc acttcctgac 180
agatcagagg ctgtgtcttt aggcagtgga ggtccaggag cagagcctgg ggctggttca 240
cagctaaacc cctccttagg gcagcccaga gtagggcctc ag 282

<210> 1668
<211> 308
<212> DNA
<213> Homo sapiens

<400> 1668
ctggttccat agactacatt agtgtgtttg atgtcaaatc aggcagcgct gttcataaga 60
tgattgtgga caggcagtat atgggcgtgt ctaagcggaa gtgcatcgtg tggggtgtcg 120
ccttcttgtc cgatggcact atcataagtg tggactctgc tgggaaggtg cagttctggg 180
actcagccac tgggacgctt gtgaagagcc atctcatcgc taatgctgac gtgcagtcca 240
ttgctgtagc tgaccaagaa gacagtttcg tggtgggcac agccgaggga acagtcttcc 300
attttcag 308

<210> 1669
<211> 472
<212> DNA
<213> Homo sapiens

<400> 1669
cggccatctt agcggctgct gttggttggg ggccgtsccg ctcctaakgc aggaagatgg 60
tggccgcaaa gaagacgaaa aagtcgctgg agtcgatcaa ctctaggctc caactcgtta 120
tgaaaagtgg gaagtacgtc ctggggtaca agcagactct gaagatgatc agacaaggca 180
aagygaaatt ggtcattctc gctaacaact gcccagcttt gaggaaatct gaaatacgag 240
tactatgcta tgttggctaa aactggtgtc catcactaca gtggcaataa tattgaactg 300
ggcacagcat gcggaaaata ctacagagtg tgcacactgg ctatcattga tccaggtgac 360
tctgacatca ttagaagcat gccagaacag actggtgaaa agtaaacctt ttcacctaca 420
aaatttcacc tgcaaacctt aaacctgcaa aattttcctt taataaaatt tg 472

<210> 1670
<211> 164
<212> DNA
<213> Homo sapiens

<400> 1670
gttcttagac atgatcccaa aggcataatc cacagaagaa tccataaaag aaaaatttgt 60
aaattggact ttatcaaaat taaaaactta ctttttgag atggggtcat gctgtgttgt 120
ccaggctgga gtgtggtggt aagtcatagt tcactgcagc ctcg 164

<210> 1671
<211> 445
<212> DNA
<213> Homo sapiens

<400> 1671
aaaaaataaa attataaaca aaatacagaa aaatattgac acctgtgata acaaggaaat 60
gactcttaag ggcagtttgt tgtcctgggg gaaaaaatca taagtgttat aaagaaatat 120
tattgtgcaa aggaggaatg taatatttaa ggttcattta caacgggcat ttggcgtcga 180
cagaaaaagt ctttctatgt atacattcaa cattttgcag catatttaca ttcaagttac 240
atttccaaat tctatgccaa atacagtcta actcaccatc aacaatccct cagatattac 300

taaaatcctg tttatttggt aggagtgcaa tattatctta ttaggaaata attttatgtt 360
cctactaagt caactgcatt tttactactt taacaaaatt cactgacatt tttatcccag 420
ttgaagtcaa gcctctttta gacat 445

<210> 1672
<211> 292
<212> DNA
<213> Homo sapiens

<400> 1672
ccttgaacac ggattatccc caaacccttg tcatttcccc cagtgagctc tgatttctag 60
actgctttga aaatgctgta ttcattttgc taacttagta tttgggtacc ctgctctttg 120
gctgttcttt ttttggagcc cttctcagtc aagtctgccg gatgtctttc tttacctacc 180
cctcagtttt ccttaaaacg cgcacacaac tctagagagt gttaagaata atgttacttg 240
gttaatgtgt tatttattga gtattgtttg tgctaagcat tgtgttagat tt 292

<210> 1673
<211> 130
<212> DNA
<213> Homo sapiens

<400> 1673
ccacagctaa catcattgca gcacctttac tccttcggct ttttgccagc accaacattg 60
gcctttgcag tccccctgac tttcttcatt ctgttcttgc gttcctttcg ttgctttctt 120
gaggtctttt 130

<210> 1674
<211> 611
<212> DNA
<213> Homo sapiens

<400> 1674
aaagagattt attaaatcat cttatcacaa agatggaaac atatacaaac tagaaacatg 60
caaccatcat cttccacagt caagtcacaa tgtcaaatat ttttcttgcc tctgcagatg 120
aaaagttcag atcttatacc caactactta ctcaccccga atatttaagt cagtcttcct 180
gaaagtactc agggtagcaa gtaacaaaat gcaaacgatt atataaagaa agtgcagtta 240
aaagggaaac tatgtggcaa gtaccctctt tcccttccca ccccccaatt aaaggcaaac 300
aatggcactt tgctcttgct taacctagat tgtcttcaaa aactattaaa atgtaaaaga 360
cttaacaaaa aaacaaaaag acgtttaaca gatgtcaaaa agctccttag tgtttgaaaa 420
taaatgctta aacaaaagac aacatatttt atatcaaaca agtttgaaga gccctgaatt 480
gcagcattct gtaacataaa caaacaaaaa gctggtatag gatttattgt caaaggcaga 540
atttcttcag gcaggtaagt aaggaggtgg tggttctttt tcaggcattt tcacggccat 600
ttcataggtt g 611

<210> 1675
<211> 558
<212> DNA
<213> Homo sapiens

<400> 1675
aaaaatatat ggtcaggagg agactttaca gtttctcttt acaaacggta tataatggga 60
gaaatggcct tgtggcagag gacagtccca gacagcagcc ttgccacagc tcaagtagac 120
acagtcctta ctaagtctcc acgaagagca gtagctgggg agggcttctg atgctcttat 180
ttacaatccc acaatcactg ctctccttca agtctagcag tcccactgta tattgcaact 240

tgatcgtact aaagaccgac agcaaaggat acagccagtc tcgcctctgt gaagtgttgc 300
agagaacctg gagagtgcta atgaaaagct gttttaccaa aaagttgcca cgggcaacct 360
catatactta ggcttatgtt tagaaagagc aagggtgcta ctggtagaca cttgaaattc 420
gaagtgtttt ttgtgaataa aatgtgttta tggtaactta gggaaaagtc gtagtaggac 480
agcaaacatg tggttctaca tgtacatgaa gttagacaag ctgactcccc tcctagaaag 540
cctacctttc aggcacat 558

<210> 1676
<211> 498
<212> DNA
<213> Homo sapiens

<400> 1676
aaattgtatt gaacagggca tataaaatgc attctgtacc ctgatctggc atatagcttc 60
aaaactgcag tggcgagtgt ccatctctta gttagctacc ttaactgtcc acccttacta 120
cctgtgggat cgttgcctgg tttgtcttct ctgtgtcctg gagcaaagcc agttcctaaa 180
actaaaactc cattctagtc ttgggaagaa aagtttctac tcagaactgg ggaaggagtg 240
gaacttatga cttgggcctc taggctgtct ctgtcccctc agctccccga catgcattta 300
ctctctgccg tgggtctgca gtcgctgcaa cctaccctct ctctgcctca gccttacacc 360
caagcagtag gtctgtgctc tccctgtctc taggtcgctg agagaggtgc ttttcttcat 420
aaaacctttg gggtttggat ttccccagga agatggagaa tggaatactc actcttgggt 480
ctaatctttc cccttgac 498

<210> 1677
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 19, 221, 282
<223> n = A,T,C or G

<400> 1677
aaaatggaaa catcaattnt attaacaatt tacggcaata gacatttaca gaacaaaaat 60
aagacagttc caagacaaag gagtgtaaaa gtacagcaca caggttaata ctcttcaccc 120
tcatcctctc cgtcagcact atctgctcca acctcctcat aatccttctc aagggcagcc 180
atgtcctcac gggcctctga aaactcgcct tcctccatcc nctcacccac gtaccagtga 240
acaaaggcac gcttggcata catcaggtca aacttgtggt cnaggcgagc ccagg 295

<210> 1678
<211> 136
<212> DNA
<213> Homo sapiens

<400> 1678
gtgaagaagg cagctctcac tcaggcaaag agccaaagga cgaaacaaag tacagtcctc 60
gccccagtca ttgacctgaa gcgaggtggc tcctcagatg accggcaaat tgtggacact 120
ccaccgcatg tagcag 136

<210> 1679
<211> 409
<212> DNA
<213> Homo sapiens

<400> 1679
ccaggctggt tttgaactcc tgacctcgtg atccacccgc ctcagcctcc caaagtgctg 60
ggattacagg cgtgagccac cgcgcccggc aagaattcaa agttaaaaca ggttaccact 120
ttcacctatt accatcaggt tgcttatttt tgttttatgt tttttatttg tatgcatgtt 180
tactttatgt ttcagtttac tacccccctaa ggcagcaaga gagcaggaag ataagcaaaa 240
tagagatgtt tttgacaact tggcactgag agactatcct aagggaataa tctgaaatac 300
ataaaaacat tttattcaca aaattggtca tcacagcatt atttacaata ctgaaaatct 360
ggaaatagcc taaatttcta acaattgaaa gaaggttaag taaattata 409

<210> 1680
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 351
<223> n = A,T,C or G

<400> 1680
aaaaccttta gcatttctgc ctataatatt tgggttttct tcttttccta tctttatttg 60
ataagtccca tcaaatattt tccccataat cacaatgttt tcttttcact ttgctcaaga 120
actgagttat gagctccaaa tttggacaaa ctctacattg gctaagtttt agtcatttgc 180
actgctaaga aagatgacaa ttcagcatgc tgaagatgac ttcctcccttt ataaaggggc 240
taacacagag ggcaatactg ttcatgcttc tgattcttga tcacaagaat tgctttaggc 300
aattacaatc atgtctcctc tgacacatca tattattcaa gtgagacaga naaagaagat 360
gtcctatgtc acacag 376

<210> 1681
<211> 446
<212> DNA
<213> Homo sapiens

<400> 1681
ctggcattcc ttcgacttct ctccagccga gcttcccaga acatcacata tcactgcaaa 60
aatagcattg catacatgga tcaggccagt ggaaatgtaa agaaggccct gaagctgatg 120
gggtcaaatg aaggtgaatt caaggctgaa ggaaatagca aattcaccta cacagttctg 180
gaggatggtt gcacgaaaca cactggggaa tggagcaaaa cagtctttga atatcgaaca 240
cgcaaggctg tgagactacc tattgtagat attgcaccct atgacattgg tggtcctgat 300
caagaatttg gtgtggacgt tggccctgtt tgctttttat aaaccaaact ctatctgaaa 360
tcccaacaaa aaaaatttaa ctccatatgt gttcctcttg ttctaatctt gtcaaccagt 420
gcaagtgacc gacaaaattc cagttc 446

<210> 1682
<211> 454
<212> DNA
<213> Homo sapiens

<400> 1682
ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tggggtggca 60
ggtattaggg ataatattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240

ggcttgccag gaaccatatc aacaatggca gcatcaccag acttcaagaa tttagggcca 300
tcttccagct ttttaccaga acggcgatca atcttttcct tcagctcagc aaacttgcat 360
gcaatgtgag ccgtgtggca atccaataca ggggcatagc cggcgcttat ttggcctgga 420
tggttcagga taatcacctg agcagtgaag ccag 454

<210> 1683
<211> 589
<212> DNA
<213> Homo sapiens

<400> 1683
aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
ttagatctta ttcatcagcc tgctgaacag ttccttttttc agagacatag ataccatcca 120
aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
ctgaacaagc aacacctggt ctcatccgaa ccctgcggat atatttttca cccaagaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
acacagacct catcttgtaa cggaagccca gtgtaacacc cttgatcatg ttctgtacat 420
gactacaaat agtccgaacg gtagccagtt cctttctgtt accccaccat ttgtcaaccc 480
ggagcctctt ttttttcttt ccaagaaggc tgagttctac attgatgtga ttgaagtccc 540
tccgcagggt tcctctgggg cccttcacga taactgtgcg tcccttcag 589

<210> 1684
<211> 460
<212> DNA
<213> Homo sapiens

<400> 1684
aaaaaataaa attataaaca aaatacagaa aaatattgac acctgtgata acaaggaaat 60
gactcttaag ggcagtttgt tgtcctgggg gaaaaaatca taagtgttat aaagaaatat 120
tattgtgcaa aggaggaatg taatatttaa ggttcattta caacgggcat ttggcgtcga 180
cagaaaaagt ctttctatgt atacattcaa cattttgcag catatttaca ttcaagttac 240
atttccaaat tctatgccaa atacagtcta actcaccatc aacaatccct cagatattac 300
taaaatcctg tttatttggt aggagtgcaa tattatctta ttaggaaata attttatgtt 360
cctactaagt caacttgcat ttttactact ttaacaaaat tcactgacat ttttatccca 420
gttgaagtca agcctctttt agacaaagtc aatactaact 460

<210> 1685
<211> 362
<212> DNA
<213> Homo sapiens

<400> 1685
aaaaagtaaa cacatgcctt ttgataaagc ggaattgagg tgatcagaaa ttctgttgag 60
aacccagcta tttgtgtgag tatattttag ctatcccaaa aacttttttct gacctttctc 120
tttctgggat aggatatgtg tgcttagagt atcattcaga agggtaccta atagttaatc 180
tgttaattag ttacatcagg tttcaaatac taggtcagtg atatgagagc gagagagaga 240
gatttgaatt gtcaaatgta ttgtcagatg cattcacaag agcaggactg cttatctgtt 300
ttgttcacta ctgtacccct agcatctaaa tgaataccta gcccatagaa taaacccact 360
gg 362

<210> 1686
<211> 273
<212> DNA

<213> Homo sapiens

<400> 1686
gagagcgagc tgagtggttg tgtggtcgcg tctcggaacc ggtagcgctt gcagcatggc 60
tgaccaactg actgaagagc agattgcaga attcaaagaa gctttttcac tatttgacaa 120
agatggtgat ggaactataa caacaaagga attgggaact gtaatgagat ctcttgggca 180
gaatcccaca gaagcagagt tacaggacat gattaatgaa gtagatgctg atggtaatgg 240
acaattgctt cctgaatttc tgcaatgatg gaa 273

<210> 1687
<211> 460
<212> DNA
<213> Homo sapiens

<400> 1687
aaactccact gctgaccctg agtgcattcg ctatcccctc acctattttg ttttgggaca 60
aagtctcgct ctgtcaccca ggctggagtg cagtggggca ctctcagctc actgtaacct 120
ccacctcctg ggttcaagcg attctcatgc ctcagcctgc caaatagctg ggattacagg 180
cacatgccac aaagcccggc taatttttat atttttttagt agagatgggg tttcaccatg 240
tcggccagcc tggtctggaa ctcctggcat caagtgatct acctgccttg gcctcccaaa 300
gtgttgggat tacaggtgtg agccaccacg cccggcccaa gccagaggtc ttgtaagggg 360
actcatccca tcatgagggt cctaccctcg tgacctcatc taaacttccc ttaccaaagg 420
ccccatctca aataccatca cattgagggt taaggctcca 460

<210> 1688
<211> 390
<212> DNA
<213> Homo sapiens

<400> 1688
aaacacattt tcacaagttt ttgagacact ggatttcttt aattaaaaaa aaaatgccaa 60
gaaacattat ttatacaggg ttgattgctt tcatgttgtt attctgtacc ctatagtagc 120
ctccatgaga atctggtatt tcttgctgct tggaactact ttgcagtgat tacttggttg 180
cagtccaagt actctcgttt agtctgagcc tggagatgtt ctagacttgc ttctcccacc 240
tctgagatta ggacaggaaa aatgtgaaat ttcccaatta caggattata cggtaccatc 300
acatcatttg tggaaattgg ggtgactgta tagctgggat tgggctaagg actgtggtct 360
tatctgtcca catacagcca aaatgcctat 390

<210> 1689
<211> 420
<212> DNA
<213> Homo sapiens

<400> 1689
aaaaatcatt gtccaccaaa attttcagga ctttggagtt ctcaaaaaaa aaatgtgtgt 60
gtgtgtgtgt gtgtgtttta acacttccag cagttaaaaa ttaagaacac atatggataa 120
tcattggtgg acgcctatta taataaacag aaggaccaca aaaattaaaa caagttctaa 180
gaaccatcat atatacaaat ttctgtacag aatgaggaca aaaacaattc acccaattaa 240
aaccagctct tgtggtacac atactctttt tcagaaaaga acgaacactt atcttcctgt 300
attcatttgt ttttccattt gattcagtat tcttaatgct gtttccaccc cataaattag 360
taactgttca atagctgaga aatatcctat tttcaattat gcaggggaaa tcaggagctt 420

<210> 1690

<211> 437
<212> DNA
<213> Homo sapiens

<400> 1690
cttgaagtcc agtgtttcca cggctggata cctgtgtgtc tccataaaag tcctgtcacc 60
aaggacgtta aaggcatttt attccagcgt cttctagaga gcttagtgta tacagatgag 120
ggtgtccgct gctgctttcc ttcggaatcc agtgcttcca cagagattag cctgtagctt 180
atatttgaca ttcttcactg tctgttgttt acctaccgta gctttttacc gttcacttcc 240
ccttccaact atgtccagat gtgcaggctc ctcctctctg gactttctcc aaaggcactg 300
accctcggcc tctactttgt ccccctcacct ccacccccctc ctgtcaccgg ccttgtgaca 360
ttcactcaga gaagaccaca ccaaggaggc ggccgctggc ccaggagaga acacggggag 420
gtttgtttgt gtgaaag 437

<210> 1691
<211> 488
<212> DNA
<213> Homo sapiens

<400> 1691
ctcagtgtcc aagtccacag ccaaattctg gaagatatcc atgtgtgctg agtgagtgat 60
ggtgctcatt gaaggtcgct atctcttttt gaatgcaatt gcaaatcagc tccggtaccc 120
aaatagccac actcactact tcagttgcac catgctgtac ctttttgcag aggccaatac 180
ggaagccatc caagaacaga tcacaagagt tctcttggaa cggttgattg taaataggcc 240
acatccttgg ggtcttctta ttaccttcat tgagctgatt aaaaacccag cgtttaagtt 300
ctggaaccat gaatttgtac actgtgcccc agaaatcgaa aagttattcc agtcggtcgc 360
acagtgctgc atgggacaga agcaggccca gcaagtaatg gaagggacag gtgccagtta 420
gacgaaactg catctctgtt gtacgtgtca gtctagaggt ctcactgcac cgagttcata 480
aactgact 488

<210> 1692
<211> 91
<212> DNA
<213> Homo sapiens

<400> 1692
aaaaggtatt ttgaatacca ttaaaactgc ttttttttttt ccagcaagta tccaaccaac 60
ttgtttctgc ttcaataaat ctttggaaaa a 91

<210> 1693
<211> 396
<212> DNA
<213> Homo sapiens

<400> 1693
cctggccgga atactgatat tctgtgccat gttgtctttt gactgacatc acccagttgg 60
taaacttcac tatcccctga tcgccacatc tcattagttg ctagagaaaa tattgtgact 120
ggatttttc cttccacctg tctcaagaca gggtcctgac ccactcgccc aagtaagtgc 180
acacgattca gggatctttc aagaaccaaa ctggtagttg tttcggactc atgtcttaca 240
aactgacgaa gtacctgtaa tacaggtctt cgaaacatgg cttctatttt cttttcttac 300
agtctaatct ttaggctttt cacagaaaca cctcccgacc cacgcaggat cacgcgcagc 360
caaaacacac gactccagca cttccttcgc gctggc 396

<210> 1694

<211> 443
<212> DNA
<213> Homo sapiens

<400> 1694
aaatggtgtc tttctatgtt gcccagggtg gtctcaaact cctgtgctca agtgaccctc 60
ccacctcatt ctcaagtggc tgcaattaca ggcaaccagc ctgacttaaa acagtatctt 120
aaggtagatg gtgattagca catgtagtat gcttaacatt taatattata ataagacatc 180
acagcggctg tctcatgatt aaggctgtgt tcccttgttg gtgaggaaat taattatgac 240
ttgataaata gaacatgttt taagaagtgg ctatatagct ctggataaaa cgaacaaaag 300
aattagaatt cctgcgggga atatatacaa gactttattt agtcaagtaa aaaaaaatca 360
ctaatgttta actgaagaaa gagaaattga ataatatagt tctatttcaa catgtgggtt 420
cacagattta ttctaacctt cca 443

<210> 1695
<211> 381
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 330
<223> n = A,T,C or G

<400> 1695
ccacttaccc tatccttacc ctccttatcc tcaaagtttg ggctgatgta agactagagg 60
ctggccctcc cagataacag agaaaaggga gccccaaatg caaccaacct cttgttctat 120
tcttgcctgc aaaagaacag aggtttctca aatgcctcag tccctgagag ccatttcttc 180
ccctacatcg tctcactttg cttcctattg actgctggta gaaggagatt tggggtaggg 240
gctagacctc cttttatttg aaggggggcaa gggctgagat gtggtcccca aggggccaga 300
aattcccaag ttggtcacag gtggcttaan aagtgtgtgg tatgggttta cggatttcct 360
ttgaagcctc tcttcttctc t 381

<210> 1696
<211> 620
<212> DNA
<213> Homo sapiens

<400> 1696
aaaaaataaa gtagaaccca gagaaaatgt caaagctgcc gccatgtagc accagcaacc 60
aattcttgca cttctcttcc ctgtctcagt aatcccctac agaaggttac atgattggaa 120
caactctttc ttccctgcaa agtctgctgg taccaggtta taacctggac agtggagagt 180
gtctgcctta ggctggtttg tgcaagaggg ccaccttagg tctccttgag gacatttatc 240
ttggcgcaga tcttgagggc agggcccagc ttgatgttca tggcactcat aagatgttct 300
tctttaagta ataaaagggc ctgtccatca atctcctgtg agcgaaattc ctctgcaatc 360
tcttggcagc cttggagaga agcaataaac tcgtacacct cctctacact ccaacggctg 420
ggattactgg acaggaacac agggttgatg ccatgtaatt ccggtgtagg tggagctgta 480
ttgggattcc ccaggtcacg ttctccatgc ccagctctta ctgataaagg cccaggagat 540
gttggagaga gtgcttcatc ataactggaa ttatctgaac cccggctaga gtcttcttga 600
ccccggtggc acttgccctg 620

<210> 1697
<211> 513
<212> DNA

<213> Homo sapiens

<400> 1697
aaaaggattt ttatctttcg tgataaactt tgctgtgtac caggaactat aaaaacaaaa 60
acttgttact aaagaaaata tctgaaatgt gataagttct tatgccatgt taatttcatg 120
tgtcaacttc aacatttaca tgtattattt cattatgtaa aatgttttag caatttaata 180
ttttgcacag ttagcaaact ttgtatgtca tttccttcaa ggcatcatgc agagttgaca 240
tgagatttat aaggttttaa gttgtttgca tgtgaaaatc aaatacatac tttggtagtc 300
tttgaataca aagtcatctg ctcttgtttt tcaagaattt tgagacacaa agttgtatgt 360
aaaggaatat attaatttgc cgttttctag gtagatttgc tcaaaaagag tgaatcaact 420
taatatgtac aaatgatagc tgtgaaactg tagaatatct ttgtgtcagg cttggagttc 480
attgtgacct ccaaattttg cctgaaggac cag 513

<210> 1698
<211> 398
<212> DNA
<213> Homo sapiens

<400> 1698
aaaattgtgt caatatcttc agtgaactct taacaatctg gggaactgtt ttcctcaatt 60
accacttcag caacgttcat acgaaatcaa ggcttgcctt catgtcagtg tcaggatcaa 120
ctttaactcg aagagtttgt gcttgtctct aacatcttca gagtgagctt tagggatgcc 180
tgaaggatgg acagtacaag caagcagcta cttccatgat acagtgggaa gataaaaagg 240
cccattcagt ccagccgtga cctgtaaatc cagcttgccc tccccccacc ccactggaaa 300
aaaaatccaa aacctttttc caccagtttt ttacatgtcg cttctctacc aggagattct 360
ttgcgtcatc tagatgaaca cactggactt atatacag 398

<210> 1699
<211> 283
<212> DNA
<213> Homo sapiens

<400> 1699
ccttaatgta atacagcaga ccactaggta ttttagtact ccacaaacca tggatttatt 60
cctaaactac tccatgaaca tgcaacctga agacgtgtga agatgagtga aactgatatt 120
actcaatttc agtctggaca ctggctgaat ccttcctctc ccctcctccc atccctcata 180
ggatttttct tgtttggaaa ccacgtgttc tggtttccat gatgcccatc cagtcaatct 240
catggagggt ggagtatggt tggagcctaa tcagcgaggt ttc 283

<210> 1700
<211> 265
<212> DNA
<213> Homo sapiens

<400> 1700
gttgcaggca agaagcctgt ggtaggtaag aaaggaaaga aggctgctgt tggtgttaag 60
aagcagaaga agcctctggt gggaaaaaag gcagcagcta ccaagaaacc agcccctgaa 120
aagaagcctg cagagaagaa acctactaca gaggagaaga agcctgctgc ataaactctt 180
aaatttgatt attccataaa ggtcaaatca ttttggacag cttcttttga ataaagacct 240
gattatacag gcagtgagaa aaaaa 265

<210> 1701
<211> 630
<212> DNA

<213> Homo sapiens

<400> 1701
aaaaatataa cacagtcaat ataaacatgt actgggaatt ataaaccatt ctttcttcta 60
agcactggat gagatactaa aaacatacag tatcttacca atagccatta aaataggcta 120
aaatgaaaaa gaaaccgttg taacaaggtt actaatcccc caactttcaa tgctgagttc 180
cttcatcatc catgtgcaat ccagagatga catctagcag ggtggtaaaa ttattctgga 240
aaatgccaac tgtacttaga caaaataagt taattctata tggttgtcca ttaaagtttt 300
atgtggctat ggttccactg gagctaaaaa ttggctttta actgtttcca aatcagaact 360
agcagaggag agaagtaaat aaagccaatg gcactccctt cagaggctca aaatggttag 420
attttgatgc agatttaacc ttagcgagtt tcagtcagtc catttagatg atcctgtagg 480
ttcatacaaa tacactgaac cgttggttta acttctcttc cttcctcaaa gtttatgata 540
aagagactca tccctgtatt gggagtgact gacataagtt cagatatgct cagagtggct 600
ggtaagggaa cacttaaggg cagtccagaa 630

<210> 1702
<211> 661
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 233, 236, 237, 247, 252, 254, 255, 258, 262, 268, 272, 277,
287, 298, 302, 316, 327, 329, 345, 449, 537, 548, 562
<223> n = A,T,C or G

<400> 1702
aaagagattt attaaatcat cttatcacaa agatggaaac atatacaaac tagaaacatg 60
caaccatcat cttccacagt caagtcacaa tgtcaaatat ttttcttgcc tctgcagatg 120
aaaagttcag atcttatacc caactactta ctcaccccga atatttaagt cagtcttcct 180
gaaagtactc agggtagcaa gtaacaaaat gcaaacgatt atataaagaa agngcnntta 240
aaaaggnaac tntnnggnaa gnaccctntt tnccttncca ccccccnatt aaaggggnaa 300
cnatggcgct ttgctnttgc ttaaccnana ttggcttcaa aaacnattaa aatgtgaaag 360
actcttagca aaaaaacaaa aagacgttta acagatgtca aaaagctcct tagtgtttga 420
aaataaatgc ttaaacaaaa gacaacatnt tttatatcaa acaagtttgg agagccctga 480
attgcagcat tctgtaacat aaacaaacaa aaagctggta taggatttat tgtcaanggc 540
agaatttntt caggcaggta antaaggagg tggtggttct ttttcaggca ttttcacggc 600
catttcatag gttggcaaaa cgtactgagg aggtgcttca aaggcagggt acacagcaaa 660
t 661

<210> 1703
<211> 623
<212> DNA
<213> Homo sapiens

<400> 1703
aaaagatgta gataaaattt tattaataac agaagactta aaaaacattg gaaatacttt 60
tttcaaatcc cagaactggg agatggctat taaaaaatat gcagaagttt taagatacgt 120
ggacagttca aaggctgtta ttgagacagc agatagagcc aagctgcaac ctatagcttt 180
aagctgtgta ctgaatattg gtgcttgtaa actgaagatg tcaaattggc agggagcaat 240
tgacagttgt ttagaggctc ttgaaataga cccatcaaat accaaagcat tgtaccgcag 300
agctcaagga tggcaaggat taaaagaata tgatcaagca ttggctgatc ttaagaaagc 360
tcaggggata gcaccagaag ataaagctat ccaggcagaa ttgctgaaag tcaaacaaaa 420
gataaaggca cagaaagata aagagaaggc agtatatgca aaaatgtttg cttagaaagg 480

attcagtttt gcttattgtg tgttgattgt ataaatgcaa taagaaaatg taaaggtttt 540
tgtctgtgaa tatgatccct aatgtgtttc ttttgacacc ttagttcctt actgtttaca 600
gtttaggagt actgataggg gtt 623

<210> 1704
<211> 350
<212> DNA
<213> Homo sapiens

<400> 1704
aaatccttga ggggtacagc atcactcgga ttctgtgtcc aatggcctta gcaggaagat 60
tgcttcggaa tttggcacga accatgccac tgtttccatg ggcccgagtt acttttcccc 120
agatgactct ggttttgttt ggtttgccgc caggagtgac tgtgttgttc tttgctttat 180
atacataagc gcatctcttg cccaaataga attctgtttc atctcgggcg taaacacctt 240
caattttaag aagagctgtg tgctcccttt ggttccggag accccgctta tagccagcaa 300
aaatggcctt ggaccacagc cttccagaca tagttccttt tagaagtccc 350

<210> 1705
<211> 483
<212> DNA
<213> Homo sapiens

<400> 1705
tttttttatg acactggatt tctttaatta aaaaaaaaaa tgccaagaaa cattatttat 60
acagggttga ttgctttcat gttgttattc tgtaccctat agtagcctcc atgagaatct 120
ggtatttctt gctgcttgga actactttgc agtgattact tggttgcagt ccaagtactc 180
tcgtttagtc tgagcctgga gatgttctag acttgcttct cccacctctg agattaggac 240
aggaaaaatg tgaaatttcc caattacagg attatacggt accatcacat catttgtgga 300
aattggggtg actgtatagc tgggattggg ctaaggactg tggtcttatc tgtccacata 360
cagccaaaat gcctatccag aaatccagtt cgttggaaag gaaaattggt actcctgtgc 420
cacaggggtt ccagaaaagg gaagtcactt taccttgcgg tggtgggatc ctgatgtctt 480
tca 483

<210> 1706
<211> 460
<212> DNA
<213> Homo sapiens

<400> 1706
aaattcaaaa caggtatctc aaaaataaag ttaatatagg tttataagta ggacttgctc 60
actcctgaaa gtacgtttaa gtaaatctcc aaacacattt caaatactct cagagagtct 120
gttttatact accaagtatc ttatccacat ttcttcaaaa taaacaaaaa aatgctcaca 180
aaatatctat gagaaacaag aagataaaat ataaaatctt aatttttacg tataaaataa 240
ggaagccggt gaatagcaat gctagaaata aaatgctaga tctcctaatc cccttcccaa 300
gtttcatcca gaaagataac agttaaaaaa aaagtaaata aaagcttaaa aaaatcccaa 360
agtcatttca aaaagaaaag cggctgcatc gtcttctgca ggttagaggt agtaaaggcg 420
gtttgacagt gacagatttg gctctctgtg aatactctgg 460

<210> 1707
<211> 391
<212> DNA
<213> Homo sapiens

<400> 1707

aaaaaacatt ttacttggcc gggcacggtg gctcacacct gcaatcccag cactttggga 60
ggccaaggcg gggtggatca caaggtcagg agttcaagac caacgtgacg tgaccaatat 120
ggtgaaaccc catctctact aaaaatacaa aaattagctg ggcgtggtgg cacgtgcctg 180
taatcccagc tacttgggaa gctgaggcag gagaattgct tgaacccggg aggcagagga 240
tgcagtgagc cgagattgcg ccaccgcact ccagcctggg tgacagagca agactccatc 300
tcaaagaaac aaacaaaacc actttactta ctgtattgtg acatgtttat taagcatgaa 360
cccctatcag tactcctaaa ctgtaaacag t 391

<210> 1708
<211> 155
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 54, 56
<223> n = A,T,C or G

<400> 1708
aaaaacactg taaaattcta aatgattcct tctgttgtaa gttgatatat attngnaacc 60
tttgtgaaat tgtattcata tgaaaatgtc agctcaaatt cttgggagaa cattaaatta 120
tgtaatattt aattaaaatt ttgaattcaa aaaaa 155

<210> 1709
<211> 511
<212> DNA
<213> Homo sapiens

<400> 1709
aacactagcc atgtgacagt gctataaaac tcccagtgtg cttttgtcag gggtgggtgg 60
gaggtgccta attacccata caagggcatc attcccactg ggtatgcagg ggcagaacca 120
cagtagtaaa ttctaaaatt atttcaagta tgttcgtata acggaaaatc tcactggatg 180
gggccgtttt aagaacgctt cttagtgatg atcctgtctg tgggacataa ggaagaagca 240
ttgaaaggca ctattttgaa agaatgctgc acaggtatgg caacagcccc aagcacattc 300
cttcctcacg agtcccaggt ccagctttat tacctaatac aagtccaacc tctggaacat 360
ccaaattcgc tgttccaaag tttaattaaa aacacaattt acaaatattt aatatcttct 420
gaaaagcatt tctaagttaa gaatgaaaaa gtatgtacat aatatataat caaataccag 480
gcagcctcaa cttccaccag gtccacactc a 511

<210> 1710
<211> 503
<212> DNA
<213> Homo sapiens

<400> 1710
aaatatgaaa aaccaaaggg aagtgagtgg gaagaggcaa gagaggaaag gaactggagt 60
ttcttgggaa gggactccca tgtctccctt cccatttatg ggcttggggt ctggggtacg 120
aggctcacac agtgagtttg cagtgacaca gctccttgta gatctgccga cgaagtttgg 180
gcatgtcctg ctgggtgaag ctgaatggct gagacagggc cagatgcttg cagtacattt 240
tgaagtaacc tttccagccc tggtggaaat ccagtcggtc tttctttacc gcctctgcct 300
gtagatactt ggcaatatgc ttagggcagc ggcggtttag ggtacgctgc gagtcaaaat 360
aggtgatggt gcgtcgcctc acatcaacag agatgaggga ccaatgcacc tccaggtgga 420
tggggattag cagtagctcc ttattgaaga tgtccacgtt tttggtccac cttttcaccc 480
catcataacc cttggtacgg agt 503

<210> 1711
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 15, 16
<223> n = A,T,C or G

<400> 1711
ctgatcttgg cactnngcac tcattggcac agtggtagtt agaggtgaaa agtagagctg 60
tcaagcccaa gggcttagct ttagggctcc tcctgagttc ggcccacagt agaagcaaga 120
ttttaactag ccccttttcc tcttcaccct cccatgatgc gcagtgttca gaaagctggt 180
aagtcctagg gatttccaga agtagcctgc agaagaaggt aagtttgaaa gccactccag 240
gggtcctgat gctgtcatgc tcagtgagcc attttacagt tctccaaagt ctagccctgt 300
ttcggacctg cacttcacct ctaagttatg tacaactcaa cctgcatccc tctaaaagtc 360
ctatatccat attcaccatt ggctaatttg aggccctgag tgggccttga atgctaaaaa 420
gaagcagggt acgcagggct acatgtagat accacaccaa ggctggaggc tggtctgtca 480
taagacagaa agaaagacgc tgggcccaat tttgacttgg 520

<210> 1712
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 314, 332, 352, 375
<223> n = A,T,C or G

<400> 1712
aaaacttaat tctcaccttg agtatgcaaa atacaaactc cacaaaatgt tcattttact 60
ttgtagttta caaatataca aaatagacgt ttgcttaaat ttatattaca tatttattaa 120
ggcaaggaac tatatagaaa aacacatttg ttctgcttaa ggcatacttg ggaataaacc 180
attgtacaaa ttattgcaca tctgaaacca cagtgcataa cagactgcat aaaaatgcta 240
aagaagtaaa ccaggtatat tacctgactt aggtcataaa tgttgatcgg aagacaaata 300
tagattttcc ttgncaaagt atgcagcagt tngaaaactt tggcttcctt gnttgggcct 360
ttagaaccaa gactnaccaa gc 382

<210> 1713
<211> 492
<212> DNA
<213> Homo sapiens

<400> 1713
ctgctgttta cttatcaagg ttatagttcg tgcttctaac tggagcacta gctgctaatg 60
catatctaga gaaaaaaatc ttcctttgca gttagtgcca aaaggattca aggcttgtct 120
ggctgcaaaa tgagattttt atcaggcatc ttgagcatta ttataaagca gatgacagta 180
tcgtgtttgg ggtagtgaaa ttaaagccca taccaaagtg ggccagccaa gagcaggtgt 240
cagcctggga cagatgtgaa caccaggaat aaaagagcag ttatgtaatc catttcgacg 300
cacttctgga actgtaaact gtaaacaaat gctgcaaagg ttaactattt tctaaaactt 360
actttttcc agtgggaaaa caaatatttg gtatggtaac ccaaacttat cactgctttt 420

ttgctcagtt tcacacgttg taactcaaat tactctaaac gtgtttaact gccaaacagc 480
tacctgcatg tt 492

<210> 1714
<211> 410
<212> DNA
<213> Homo sapiens

<400> 1714
aaacatcttc aggaaatgca gggatcattt tgtttggaat tttaagacac accagaacac 60
atagtattta caaagaaact tttacagata cattaattga aaagatacca tcaagaaata 120
taattttgaa atctcccttt cttgccaatt gatcagaatg caagatgaga tgctaaccaa 180
acagcccttt agctgtcttg tatttccata cactaaatgt gtatttcaga aactgctcaa 240
ccatcagcca aatatcaaca ttagtgaaat gtgaaatgta accactgtgt aaaaagttag 300
gcttctgaaa cattaaaaac attacatccc tggtctgcct ttttacagaa agcacatttg 360
ttctcctaga gctattccta tagttcatta attttctaca tgaacatttt 410

<210> 1715
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 318, 338
<223> n = A,T,C or G

<400> 1715
ttttttttt tgatcctgcc acaatatttt taattacgta caaagatctg acatgtcacc 60
cagggaccca tttcacccac tgctctgttt ggccgccagt cttttgtctc tctcttcagc 120
aatggtgagg cggataccct ttcctcgggg aagagaaatc catggtttgt tgcccttgcc 180
aataacaaaa atgttggaaa gtcgagtggc aaagctgttg ccattggcat ctttcacgtg 240
aaccacgtca aaagatccag ggtgcctctc tctgttggtg atcacaccaa ttcttcctag 300
gttagcacct ccagtcanca tacacaggtt accagtgncg aacttgatga aatcagtaat 360
cttgcca 367

<210> 1716
<211> 652
<212> DNA
<213> Homo sapiens

<400> 1716
aaaaaataaa attataaaca aaatacagaa aaatattgac acctgtgata acaaggaaat 60
gactcttaag ggcagtttgt tgtcctgggg gaaaaaatca taagtgttat aaagaaatat 120
tattgtgcaa aggaggaatg taatatttaa gattcattta caacgggcat ttggcgtcga 180
cagaaaaagt ctttctatgt atacattcaa cattttgcag catatttaca ttcaagttac 240
atttccaaat tctatgccaa atacagtcta actcaccatc aacaatccct cagatattac 300
taaaatcctg tttatttggt aggagtgcaa tattatctta ttaggaaata attttatgtt 360
cctactaagt caactgcatt tttactactt taacaaaatt cactgacatt tttatcccag 420
ttgaagtcaa gcctctttta gacaaagtca atactaactc aaatgttgcc agttataaaa 480
ttatataata atcttttcct ccctccttag agacagtatt acaactttca atgaaaggac 540
accagctatg ataaattatt ttcttttaca agagttagga tgtattacag atacaaggtt 600
ccagaatttt aacttgtttt caaaagatgg ctgaagcact tttccctttc ag 652

<210> 1717
<211> 52
<212> DNA
<213> Homo sapiens

<400> 1717
aaatgtgtat ttcttaagaa ttcaaatttg taataaaact atttgtataa aa 52

<210> 1718
<211> 338
<212> DNA
<213> Homo sapiens

<400> 1718
aaaacaggca caatattcta aaggcatatg cattcaccat gggcttttga atgtcctcac 60
tcccaacttc acaatcaaaa tctacagaag cggcaaaaga tcagagttca gagggctatt 120
ttttttccc tttccttact taaggttgca aacacattga cagaggcaaa ataaacacgt 180
ttcatagcag aaagaccaaa aaattgaatg taaaccatag ctctcccttg ggagattaca 240
caaatacaag gttcatctgt acttagaaca aggctcataa cttcttgtag catggacatt 300
caacaggcac agagcaacaa cattcaccca aataccag 338

<210> 1719
<211> 229
<212> DNA
<213> Homo sapiens

<400> 1719
aaaagtcaaa gttagatcaa gagaatattt cagagttttg gtttacacat caagaaacag 60
acacacatac ctaggaaaga tttacacaat agataatcat cttaatgtga aagatatttg 120
aagtattaat tttaatatat taaatatgat ttctgttata gtcttctgta tggaattttg 180
tcacttaaga tgagctgcaa ataaataata ccttcaatgg aaaaaaaaa 229

<210> 1720
<211> 510
<212> DNA
<213> Homo sapiens

<400> 1720
ccagtacaaa ggcttatacc agccagtttg tatcccttgt gatgtttgcc cttatgatgt 60
gtgatgatcg gatctccatg caagaaagac gcaaagagat catgcttgga ttgaaacggc 120
tgcctgattt gattaaggaa gtactgagca tggatgacga aattcagaaa ctagcaacag 180
aactttatca tcagaagtca gttctgataa tgggacgagg ctatcattat gctacttgtc 240
ttgaaggggc actgaaaatc aaagaaatta cttatatgca ctctgaaggc atccttgctg 300
gtgaattgaa acatggccct ctggctttgg tggataaatt gatgcctgtg atcatgatca 360
tcatgagaga tcacacttat gccaagtgtc agaatgctct tcagcaagtg gttgctcggc 420
aggggcggcc tgtggtaatt tgtgataagg aggatactga gaccattaag aacacaaaaa 480
gaacgatcaa ggtgccccac tcagtggact 510

<210> 1721
<211> 637
<212> DNA
<213> Homo sapiens

<400> 1721

aaacttcatc tctccaaagc tccggtcttt ggctgtaccc tcccagacta gtacacattt 60
gttggttttc ttcacagctt cctcatcaga ctcctcatca tcatctccct ttgtgttaga 120
tgtctgttca tcccacttta tccgatgcag cataagacgc ttaaatttct tctgggcctt 180
ggggcccccc tccactacta ccacgttgac atccttgtgc agtaccacca cccctgtcag 240
gtacagttgc ccagcattgg cttcaatctt gaacttcttg gctgggttgc tcaaatttcg 300
aactctatat acagatatgt gtacccccctg tgaaatgtct tctttaagct ttttaatttt 360
cttgaccttt ctctgttctg ctgtgagttt tcgggcagcg ttggcctctt catgcgcttt 420
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<211> 267
<212> DNA
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cccagatcct gctgaaggcc ctcaccaact tgccgcacac agacttcacc ctgtgcaagt 180
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acctgctgga gacctgccat ttccagg 267

<210> 1723
<211> 492
<212> DNA
<213> Homo sapiens

<400> 1723
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<210> 1724
<211> 513
<212> DNA
<213> Homo sapiens

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tgagacatat tactggaagt aagaaatatt attataattg agaactacag cttttaagat 180
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gtagcttctg aaaggtgctt tctccattta ttt 513

<210> 1725
<211> 572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 561, 569
<223> n = A,T,C or G

<400> 1725
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taagtgcttg aaagacgtaa accaaagtgc actttatctc atttatctta tggtggaaac 180
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tattaattgg cttggaaagt ngaatatang ag 572

<210> 1726
<211> 608
<212> DNA
<213> Homo sapiens

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aggcccag 608

<210> 1727
<211> 178
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 173
<223> n = A,T,C or G

<400> 1727
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gaaaagtaca aagtttttca tctaatcagt tcctgcatat ctgatgtact gtaatgcata 120
aataatagat ctttggtgtg ataatttgtg aagcaataaa gggcagagaa ccngaaaa 178

<210> 1728
<211> 336
<212> DNA
<213> Homo sapiens

<400> 1728
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<210> 1729
<211> 325
<212> DNA
<213> Homo sapiens

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cgaaggttgc agtgaaccga ggccacgcca ttgcactcca gcctgggcga cagagcgaga 180
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ccccccgtca atcctgtctg tacatatgag tgaattgaga ggtctggaaa catacccacc 300
cactgttaac actgttgatt ttttt 325

<210> 1730
<211> 566
<212> DNA
<213> Homo sapiens

<400> 1730
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aaaagccaca aaataatttc aaacattaag ccactgcaaa gaaacatctg atgtaagaaa 180
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aaacacaaag gaatttttca gacaaagtat ggcaaacaac aatctcttgg gtgacaacac 360
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<210> 1731
<211> 731
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 66

<223> n = A,T,C or G

<400> 1731
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<210> 1732
<211> 1131
<212> DNA
<213> Homo sapiens

<400> 1732
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<210> 1733
<211> 5641
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<211> 1887
<212> DNA
<213> Homo sapiens

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<211> 6214
<212> DNA
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gggctgggct gagacccagc tgagtgcagc gtggcgtttc cctttctggg ggggcctgag 4800
gtcttgtcac ctggtcctgt gcccccacag gaaccagagg taggatggga gggggaacga 4860
gagcctcttt ctccccagag cccccggccc aggcctgttg atccgcgccc caggacccca 4920
ttctttgcag agcccgagga gcctcccctg tcccctcggg cagatctgtt gtgtctctct 4980
tcccacctgg cagcctcagc tctgtgcccc tcaccctgct ccctctcgcc ccttctctcc 5040
cacccccttcc ttctgagccg ggccctgggg attggggagc cctcttgttc ctgatgaggg 5100

tcagggcaga tgaaagtgtt gaaaagaggt caaatggaaa caaaggctct tacccgctgt 5160
atttcagaca ggactgaggc acttagccga ggagccactg ggttattaga ttaatttcaa 5220
aagagctttt acaagttgct taattccttt tttttttttt tttttttcaa aaacccatga 5280
accacaaact caaatttctc ctcaaatggg gttaatctga caaatgaggc atggacccag 5340
ccttgtggaa aaagcattcc acgctaatga gatcttggtc tttcttgtga ggctacgtta 5400
tttatgtaaa tatgtctgga ggcaccttct ctaagctttt agttttctat gatctattag 5460
tttagtgttt attaaagaat caaatgtata gaattaccag gcattcgtgg ggaatgctgt 5520
gtagcaaatg taaaactgac ctgctcggaa gaaacgtagg aacgcttcaa acccactgta 5580
atgtttggtt tgagattatt ttcattgctt tgagagtgaa ctgcctaaga gtaggcctta 5640
taataaatgc tatgtgcgtc ttcagtagtt ccaagctaaa gcaatttggc attctcccac 5700
tgtgatttgt gacttttaaa cccacaaaat aaaagctttt tggtattgat tgtttttaat 5760
taaaaatact tccaagtata aattgaaacg gatgccaccc ttgaagattt actggcggga 5820
atgctcactc ttgtcgtttt cctcagtatc gttcatgtct ttggcaacaa gaacacctga 5880
tgaaagcaag caatgctcag ttcccatcaa catttctagt tagggggatt ctcataaccc 5940
cacagtttac ctgagaaagt tttctgtgtt agaagaatgg ggtcgagagt attacctttt 6000
agctcagtgt ggccgggcct tttgttgcag tcaaatggca aatacgcact ccttgraatg 6060
gcttctttta tttggttttg ttttcttaga cttataaatt tgaaaagaat gcaatttaaa 6120
aagtgatttc tcacaaagag taaatatgcc ttttgcaaat caatttttgt aacaagttat 6180
ttatatgata ttacttaata aactggtttt tttc 6214

<210> 1738
<211> 1479
<212> PRT
<213> Homo sapiens

<400> 1738
Met Gly Pro Gly Arg Pro Ala Pro Ala Pro Trp Pro Arg His Leu Leu
1 5 10 15
Arg Cys Val Leu Leu Leu Gly Cys Leu His Leu Gly Arg Pro Gly Ala
20 25 30
Pro Gly Asp Ala Ala Leu Pro Glu Pro Asn Val Phe Leu Ile Phe Ser
35 40 45
His Gly Leu Gln Gly Cys Leu Glu Ala Gln Gly Gly Gln Val Arg Val
50 55 60
Thr Pro Ala Cys Asn Thr Ser Leu Pro Ala Gln Arg Trp Lys Trp Val
65 70 75 80
Ser Arg Asn Arg Leu Phe Asn Leu Gly Thr Met Gln Cys Leu Gly Thr
85 90 95
Gly Trp Pro Gly Thr Asn Thr Thr Ala Ser Leu Gly Met Tyr Glu Cys
100 105 110
Asp Arg Glu Ala Leu Asn Leu Arg Trp His Cys Arg Thr Leu Gly Asp
115 120 125
Gln Leu Ser Leu Leu Leu Gly Ala Arg Thr Ser Asn Ile Ser Lys Pro
130 135 140
Gly Thr Leu Glu Arg Gly Asp Gln Thr Arg Ser Gly Gln Trp Arg Ile
145 150 155 160
Tyr Gly Ser Glu Glu Asp Leu Cys Ala Leu Pro Tyr His Glu Val Tyr
165 170 175
Thr Ile Gln Gly Asn Ser His Gly Lys Pro Cys Thr Ile Pro Phe Lys
180 185 190
Tyr Asp Asn Gln Trp Phe His Gly Cys Thr Ser Thr Gly Arg Glu Asp
195 200 205

```
Gly His Leu Trp Cys Ala Thr Thr Gln Asp Tyr Gly Lys Asp Glu Arg
    210                 215                 220
Trp Gly Phe Cys Pro Ile Lys Ser Asn Asp Cys Glu Thr Phe Trp Asp
225                 230                 235                 240
Lys Asp Gln Leu Thr Asp Ser Cys Tyr Gln Phe Asn Phe Gln Ser Thr
                245                 250                 255
Leu Ser Trp Arg Glu Ala Trp Ala Ser Cys Glu Gln Gln Gly Ala Asp
            260                 265                 270
Leu Leu Ser Ile Thr Glu Ile His Glu Gln Thr Tyr Ile Asn Gly Leu
        275                 280                 285
Leu Thr Gly Tyr Ser Ser Thr Leu Trp Ile Gly Leu Asn Asp Leu Asp
    290                 295                 300
Thr Ser Gly Gly Trp Gln Trp Ser Asp Asn Ser Pro Leu Lys Tyr Leu
305                 310                 315                 320
Asn Trp Glu Ser Asp Gln Pro Asp Asn Pro Ser Glu Glu Asn Cys Gly
                325                 330                 335
Val Ile Arg Thr Glu Ser Ser Gly Gly Trp Gln Asn Arg Asp Cys Ser
            340                 345                 350
Ile Ala Leu Pro Tyr Val Cys Lys Lys Lys Pro Asn Ala Thr Ala Glu
        355                 360                 365
Pro Thr Pro Pro Asp Arg Trp Ala Asn Val Lys Val Glu Cys Glu Pro
    370                 375                 380
Ser Trp Gln Pro Phe Gln Gly His Cys Tyr Arg Leu Gln Ala Glu Lys
385                 390                 395                 400
Arg Ser Trp Gln Glu Ser Lys Lys Ala Cys Leu Arg Gly Gly Gly Asp
                405                 410                 415
Leu Val Ser Ile His Ser Met Ala Glu Leu Glu Phe Ile Thr Lys Gln
            420                 425                 430
Ile Lys Gln Glu Val Glu Glu Leu Trp Ile Gly Leu Asn Asp Leu Lys
        435                 440                 445
Leu Gln Met Asn Phe Glu Trp Ser Asp Gly Ser Leu Val Ser Phe Thr
    450                 455                 460
His Trp His Pro Phe Glu Pro Asn Asn Phe Arg Asp Ser Leu Glu Asp
465                 470                 475                 480
Cys Val Thr Ile Trp Gly Pro Glu Gly Arg Trp Asn Asp Ser Pro Cys
                485                 490                 495
Asn Gln Ser Leu Pro Ser Ile Cys Lys Lys Ala Gly Gln Leu Ser Gln
            500                 505                 510
Gly Ala Ala Glu Glu Asp His Gly Cys Arg Lys Gly Trp Thr Trp His
        515                 520                 525
Ser Pro Ser Cys Tyr Trp Leu Gly Glu Asp Gln Val Thr Tyr Ser Glu
    530                 535                 540
Ala Arg Arg Leu Cys Thr Asp His Gly Ser Gln Leu Val Thr Ile Thr
545                 550                 555                 560
Asn Arg Phe Glu Gln Ala Phe Val Ser Ser Leu Ile Tyr Asn Trp Glu
                565                 570                 575
Gly Glu Tyr Phe Trp Thr Ala Leu Gln Asp Leu Asn Ser Thr Gly Ser
            580                 585                 590
Phe Phe Trp Leu Ser Gly Asp Glu Val Met Tyr Thr His Trp Asn Arg
        595                 600                 605
Asp Gln Pro Gly Tyr Ser Arg Gly Gly Cys Val Ala Leu Ala Thr Gly
    610                 615                 620
Ser Ala Met Gly Leu Trp Glu Val Lys Asn Cys Thr Ser Phe Arg Ala
625                 630                 635                 640
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Arg Tyr Ile Cys Arg Gln Ser Leu Gly Thr Pro Val Thr Pro Glu Leu
                645                 650                 655
Pro Gly Pro Asp Pro Thr Pro Ser Leu Thr Gly Ser Cys Pro Gln Gly
            660                 665                 670
Trp Ala Ser Asp Thr Lys Leu Arg Tyr Cys Tyr Lys Val Phe Ser Ser
        675                 680                 685
Glu Arg Leu Gln Asp Lys Lys Ser Trp Val Gln Ala Gln Gly Ala Cys
    690                 695                 700
Gln Glu Leu Gly Ala Gln Leu Leu Ser Leu Ala Ser Tyr Glu Glu Glu
705                 710                 715                 720
His Phe Val Ala Asn Met Leu Asn Lys Ile Phe Gly Glu Ser Glu Pro
                725                 730                 735
Glu Ile His Glu Gln His Trp Phe Trp Ile Gly Leu Asn Arg Arg Asp
            740                 745                 750
Pro Arg Gly Gly Gln Ser Trp Arg Trp Ser Asp Gly Val Gly Phe Ser
        755                 760                 765
Tyr His Asn Phe Asp Arg Ser Arg His Asp Asp Asp Asp Ile Arg Gly
    770                 775                 780
Cys Ala Val Leu Asp Leu Ala Ser Leu Gln Trp Val Ala Met Gln Cys
785                 790                 795                 800
Asp Thr Gln Leu Asp Trp Ile Cys Lys Ile Pro Arg Gly Thr Asp Val
                805                 810                 815
Arg Glu Pro Asp Asp Ser Pro Gln Gly Arg Arg Glu Trp Leu Arg Phe
            820                 825                 830
Gln Glu Ala Glu Tyr Lys Phe Phe Glu His His Ser Thr Trp Ala Gln
        835                 840                 845
Ala Gln Arg Ile Cys Thr Trp Phe Gln Ala Glu Leu Thr Ser Val His
    850                 855                 860
Ser Gln Ala Glu Leu Asp Phe Leu Ser His Asn Leu Gln Lys Phe Ser
865                 870                 875                 880
Arg Ala Gln Glu Gln His Trp Trp Ile Gly Leu His Thr Ser Glu Ser
                885                 890                 895
Asp Gly Arg Phe Arg Trp Thr Asp Gly Ser Ile Ile Asn Phe Ile Ser
            900                 905                 910
Trp Ala Pro Gly Lys Pro Arg Pro Val Gly Lys Asp Lys Lys Cys Val
        915                 920                 925
Tyr Met Thr Ala Ser Arg Glu Asp Trp Gly Asp Gln Arg Cys Leu Thr
    930                 935                 940
Ala Leu Pro Tyr Ile Cys Lys Arg Ser Asn Val Thr Lys Glu Thr Gln
945                 950                 955                 960
Pro Pro Asp Leu Pro Thr Thr Ala Leu Gly Gly Cys Pro Ser Asp Trp
                965                 970                 975
Ile Gln Phe Leu Asn Lys Cys Phe Gln Val Gln Gly Gln Glu Pro Gln
            980                 985                 990
Ser Arg Val Lys Trp Ser Glu Ala Gln Phe Ser Cys Glu Gln Gln Glu
        995                 1000                1005
Ala Gln Leu Val Thr Ile Thr Asn Pro Leu Glu Gln Ala Phe Ile Thr
    1010                1015                1020
Ala Ser Leu Pro Asn Val Thr Phe Asp Leu Trp Ile Gly Leu His Ala
1025                1030                1035                1040
Ser Gln Arg Asp Phe Gln Trp Val Glu Gln Glu Pro Leu Met Tyr Ala
                1045                1050                1055
Asn Trp Ala Pro Gly Glu Pro Ser Gly Pro Ser Pro Ala Pro Ser Gly
            1060                1065                1070
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Asn Lys Pro Thr Ser Cys Ala Val Val Leu His Ser Pro Ser Ala His
        1075                1080                1085
Phe Thr Gly Arg Trp Asp Asp Arg Ser Cys Thr Glu Glu Thr His Gly
    1090                1095                1100
Phe Ile Cys Gln Lys Gly Thr Asp Pro Ser Leu Ser Pro Ser Pro Ala
1105                1110                1115                1120
Ala Leu Pro Pro Ala Pro Gly Thr Glu Leu Ser Tyr Leu Asn Gly Thr
                1125                1130                1135
Phe Arg Leu Leu Gln Lys Pro Leu Arg Trp His Asp Ala Leu Leu Leu
            1140                1145                1150
Cys Glu Ser His Asn Ala Ser Leu Ala Tyr Val Pro Asp Pro Tyr Thr
        1155                1160                1165
Gln Ala Phe Leu Thr Gln Ala Ala Arg Gly Leu Arg Thr Pro Leu Trp
    1170                1175                1180
Ile Gly Leu Ala Gly Glu Glu Gly Ser Arg Arg Tyr Ser Trp Val Ser
1185                1190                1195                1200
Glu Glu Pro Leu Asn Tyr Val Gly Trp Gln Asp Gly Glu Pro Gln Gln
                1205                1210                1215
Pro Gly Gly Cys Thr Tyr Val Asp Val Asp Gly Ala Trp Arg Thr Thr
            1220                1225                1230
Ser Cys Asp Thr Lys Leu Gln Gly Ala Val Cys Gly Val Ser Ser Gly
        1235                1240                1245
Pro Pro Pro Pro Arg Arg Ile Ser Tyr His Gly Ser Cys Pro Gln Gly
    1250                1255                1260
Leu Ala Asp Ser Ala Trp Ile Pro Phe Arg Glu His Cys Tyr Ser Phe
1265                1270                1275                1280
His Met Glu Leu Leu Leu Gly His Lys Glu Ala Arg Gln Arg Cys Gln
                1285                1290                1295
Arg Ala Gly Gly Ala Val Leu Ser Ile Leu Asp Glu Met Glu Asn Val
            1300                1305                1310
Phe Val Trp Glu His Leu Gln Ser Tyr Glu Gly Gln Ser Arg Gly Ala
        1315                1320                1325
Trp Leu Gly Met Asn Phe Asn Pro Lys Gly Gly Thr Leu Val Trp Gln
    1330                1335                1340
Asp Asn Thr Ala Val Asn Tyr Ser Asn Trp Gly Pro Pro Gly Leu Gly
1345                1350                1355                1360
Pro Ser Met Leu Ser His Asn Ser Cys Tyr Trp Ile Gln Ser Asn Ser
                1365                1370                1375
Gly Leu Trp Arg Pro Gly Ala Cys Thr Asn Ile Thr Met Gly Val Val
            1380                1385                1390
Cys Lys Leu Pro Arg Ala Glu Gln Ser Ser Phe Ser Pro Ser Ala Leu
        1395                1400                1405
Pro Glu Asn Pro Ala Ala Leu Val Val Val Leu Met Ala Val Leu Leu
    1410                1415                1420
Leu Leu Ala Leu Leu Thr Ala Ala Leu Ile Leu Tyr Arg Arg Arg Gln
1425                1430                1435                1440
Ser Ile Glu Arg Gly Ala Phe Glu Gly Ala Arg Tyr Ser Arg Ser Ser
                1445                1450                1455
Ser Ser Pro Thr Glu Ala Thr Glu Lys Asn Ile Leu Val Ser Asp Met
            1460                1465                1470
Glu Met Asn Glu Gln Gln Glu
        1475
```

<210> 1739
<211> 1479
<212> PRT
<213> Homo sapiens

<400> 1739

```
Met Gly Pro Gly Arg Pro Ala Pro Ala Pro Trp Pro Arg His Leu Leu
 1               5                  10                  15
Arg Cys Val Leu Leu Leu Gly Cys Leu His Leu Gly Arg Pro Gly Ala
            20                  25                  30
Pro Gly Asp Ala Ala Leu Pro Glu Pro Asn Ile Phe Leu Ile Phe Ser
        35                  40                  45
His Gly Leu Gln Gly Cys Leu Glu Ala Gln Gly Gly Gln Val Arg Val
    50                  55                  60
Thr Pro Ala Cys Asn Thr Ser Leu Pro Ala Gln Arg Trp Lys Trp Val
65                  70                  75                  80
Ser Arg Asn Arg Leu Phe Asn Leu Gly Thr Met Gln Cys Leu Gly Thr
                85                  90                  95
Gly Trp Pro Gly Thr Asn Thr Thr Ala Ser Leu Gly Met Tyr Glu Cys
            100                 105                 110
Asp Arg Glu Ala Leu Asn Leu Arg Trp His Cys Arg Thr Leu Gly Asp
        115                 120                 125
Gln Leu Ser Leu Leu Leu Gly Ala Arg Thr Ser Asn Ile Ser Lys Pro
    130                 135                 140
Gly Thr Leu Glu Arg Gly Asp Gln Thr Arg Ser Gly Gln Trp Arg Ile
145                 150                 155                 160
Tyr Gly Ser Glu Glu Asp Leu Cys Ala Leu Pro Tyr His Glu Val Tyr
                165                 170                 175
Thr Ile Gln Gly Asn Ser His Gly Lys Pro Cys Thr Ile Pro Phe Lys
            180                 185                 190
Tyr Asp Asn Gln Trp Phe His Gly Cys Thr Ser Thr Gly Arg Glu Asp
        195                 200                 205
Gly His Leu Trp Cys Ala Thr Thr Gln Asp Tyr Gly Lys Asp Glu Arg
    210                 215                 220
Trp Gly Phe Cys Pro Ile Lys Ser Asn Asp Cys Glu Thr Phe Trp Asp
225                 230                 235                 240
Lys Asp Gln Leu Thr Asp Ser Cys Tyr Gln Phe Asn Phe Gln Ser Thr
                245                 250                 255
Leu Ser Trp Arg Glu Ala Trp Ala Ser Cys Glu Gln Gln Gly Ala Asp
            260                 265                 270
Leu Leu Ser Ile Thr Glu Ile His Glu Gln Thr Tyr Ile Asn Gly Leu
        275                 280                 285
Leu Thr Gly Tyr Ser Ser Thr Leu Trp Ile Gly Leu Asn Asp Leu Asp
    290                 295                 300
Thr Ser Gly Gly Trp Gln Trp Ser Asp Asn Ser Pro Leu Lys Tyr Leu
305                 310                 315                 320
Asn Trp Glu Ser Asp Gln Pro Asp Asn Pro Ser Glu Glu Asn Cys Gly
                325                 330                 335
Val Ile Arg Thr Glu Ser Ser Gly Gly Trp Gln Asn Arg Asp Cys Ser
            340                 345                 350
Ile Ala Leu Pro Tyr Val Cys Lys Lys Lys Pro Asn Ala Thr Ala Glu
        355                 360                 365
Pro Thr Pro Pro Asp Arg Trp Ala Asn Val Lys Val Glu Cys Glu Pro
    370                 375                 380
```

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Ser Trp Gln Pro Phe Gln Gly His Cys Tyr Arg Leu Gln Ala Glu Lys
385                 390                 395                 400
Arg Ser Trp Gln Glu Ser Lys Lys Ala Cys Leu Arg Gly Gly Gly Asp
                405                 410                 415
Leu Val Ser Ile His Ser Met Ala Glu Leu Glu Phe Ile Thr Lys Gln
            420                 425                 430
Ile Lys Gln Glu Val Glu Glu Leu Trp Ile Gly Leu Asn Asp Leu Lys
        435                 440                 445
Leu Gln Met Asn Phe Glu Trp Ser Asp Gly Ser Leu Val Ser Phe Thr
    450                 455                 460
His Trp His Pro Phe Glu Pro Asn Asn Phe Arg Asp Ser Leu Glu Asp
465                 470                 475                 480
Cys Val Thr Ile Trp Gly Pro Glu Gly Arg Trp Asn Asp Ser Pro Cys
                485                 490                 495
Asn Gln Ser Leu Pro Ser Ile Cys Lys Lys Ala Gly Gln Leu Ser Gln
            500                 505                 510
Gly Ala Ala Glu Glu Asp His Gly Cys Arg Lys Gly Trp Thr Trp His
        515                 520                 525
Ser Pro Ser Cys Tyr Trp Leu Gly Glu Asp Gln Val Thr Tyr Ser Glu
    530                 535                 540
Ala Arg Arg Leu Cys Thr Asp His Gly Ser Gln Leu Val Thr Ile Thr
545                 550                 555                 560
Asn Arg Phe Glu Gln Ala Phe Val Ser Ser Leu Ile Tyr Asn Trp Glu
                565                 570                 575
Gly Glu Tyr Phe Trp Thr Ala Leu Gln Asp Leu Asn Ser Thr Gly Ser
            580                 585                 590
Phe Phe Trp Leu Ser Gly Asp Glu Val Met Tyr Thr His Trp Asn Arg
        595                 600                 605
Asp Gln Pro Gly Tyr Ser Arg Gly Gly Cys Val Ala Leu Ala Thr Gly
    610                 615                 620
Ser Ala Met Gly Leu Trp Glu Val Lys Asn Cys Thr Ser Phe Arg Ala
625                 630                 635                 640
Arg Tyr Ile Cys Arg Gln Ser Leu Gly Thr Pro Val Thr Pro Glu Leu
                645                 650                 655
Pro Gly Pro Asp Pro Thr Pro Ser Leu Thr Gly Ser Cys Pro Gln Gly
            660                 665                 670
Trp Ala Ser Asp Thr Lys Leu Arg Tyr Cys Tyr Lys Val Phe Ser Ser
        675                 680                 685
Glu Arg Leu Gln Asp Lys Lys Ser Trp Val Gln Ala Gln Gly Ala Cys
    690                 695                 700
Gln Glu Leu Gly Ala Gln Leu Leu Ser Leu Ala Ser Tyr Glu Glu Glu
705                 710                 715                 720
His Phe Val Ala Asn Met Leu Asn Lys Ile Phe Gly Glu Ser Glu Pro
                725                 730                 735
Glu Ile His Glu Gln His Trp Phe Trp Ile Gly Leu Asn Arg Arg Asp
            740                 745                 750
Pro Arg Gly Gly Gln Ser Trp Arg Trp Ser Asp Gly Val Gly Phe Ser
        755                 760                 765
Tyr His Asn Phe Asp Arg Ser Arg His Asp Asp Asp Asp Ile Arg Gly
    770                 775                 780
Cys Ala Val Leu Asp Leu Ala Ser Leu Gln Trp Val Ala Met Gln Cys
785                 790                 795                 800
Asp Thr Gln Leu Asp Trp Ile Cys Lys Ile Pro Arg Gly Thr Asp Val
                805                 810                 815
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Arg Glu Pro Asp Asp Ser Pro Gln Gly Arg Arg Glu Trp Leu Arg Phe
            820                 825                 830
Gln Glu Ala Glu Tyr Lys Phe Phe Glu His His Ser Thr Trp Ala Gln
        835                 840                 845
Ala Gln Arg Ile Cys Thr Trp Phe Gln Ala Glu Leu Thr Ser Val His
    850                 855                 860
Ser Gln Ala Glu Leu Asp Phe Leu Ser His Asn Leu Gln Lys Phe Ser
865                 870                 875                 880
Arg Ala Gln Glu Gln His Trp Trp Ile Gly Leu His Thr Ser Glu Ser
                885                 890                 895
Asp Gly Arg Phe Arg Trp Thr Asp Gly Ser Ile Ile Asn Phe Ile Ser
            900                 905                 910
Trp Ala Pro Gly Lys Pro Arg Pro Val Gly Lys Asp Lys Lys Cys Val
        915                 920                 925
Tyr Met Thr Ala Ser Arg Glu Asp Trp Gly Asp Gln Arg Cys Leu Thr
    930                 935                 940
Ala Leu Pro Tyr Ile Cys Lys Arg Ser Asn Val Thr Lys Glu Thr Gln
945                 950                 955                 960
Pro Pro Asp Leu Pro Thr Thr Ala Leu Gly Gly Cys Pro Ser Asp Trp
                965                 970                 975
Ile Gln Phe Leu Asn Lys Cys Phe Gln Val Gln Gly Gln Glu Pro Gln
            980                 985                 990
Ser Arg Val Lys Trp Ser Glu Ala Gln Phe Ser Cys Glu Gln Gln Glu
        995                 1000                1005
Ala Gln Leu Val Thr Ile Thr Asn Pro Leu Glu Gln Ala Phe Ile Thr
    1010                1015                1020
Ala Ser Leu Pro Asn Val Thr Phe Asp Leu Trp Ile Gly Leu His Ala
1025                1030                1035                1040
Ser Gln Arg Asp Phe Gln Trp Val Glu Gln Glu Pro Leu Met Tyr Ala
                1045                1050                1055
Asn Trp Ala Pro Gly Glu Pro Ser Gly Pro Ser Pro Ala Pro Ser Gly
            1060                1065                1070
Asn Lys Pro Thr Ser Cys Ala Val Val Leu His Ser Pro Ser Ala His
        1075                1080                1085
Phe Thr Gly Arg Trp Asp Asp Arg Ser Cys Thr Glu Glu Thr His Gly
    1090                1095                1100
Phe Ile Cys Gln Lys Gly Thr Asp Pro Ser Leu Ser Pro Ser Pro Ala
1105                1110                1115                1120
Ala Leu Pro Pro Ala Pro Gly Thr Glu Leu Ser Tyr Leu Asn Gly Thr
                1125                1130                1135
Phe Arg Leu Leu Gln Lys Pro Leu Arg Trp His Asp Ala Leu Leu Leu
            1140                1145                1150
Cys Glu Ser His Asn Ala Ser Leu Ala Tyr Val Pro Asp Pro Tyr Thr
        1155                1160                1165
Gln Ala Phe Leu Thr Gln Ala Ala Arg Gly Leu Arg Thr Pro Leu Trp
    1170                1175                1180
Ile Gly Leu Ala Gly Glu Glu Gly Ser Arg Arg Tyr Ser Trp Val Ser
1185                1190                1195                1200
Glu Glu Pro Leu Asn Tyr Val Gly Trp Gln Asp Gly Glu Pro Gln Gln
                1205                1210                1215
Pro Gly Gly Cys Thr Tyr Val Asp Val Asp Gly Ala Trp Arg Thr Thr
            1220                1225                1230
Ser Cys Asp Thr Lys Leu Gln Gly Ala Val Cys Gly Val Ser Ser Gly
        1235                1240                1245
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Pro Pro Pro Pro Arg Arg Ile Ser Tyr His Gly Ser Cys Pro Gln Gly
    1250                1255                1260
Leu Ala Asp Ser Ala Trp Ile Pro Phe Arg Glu His Cys Tyr Ser Phe
1265                1270                1275                1280
His Met Glu Leu Leu Leu Gly His Lys Glu Ala Arg Gln Arg Cys Gln
                1285                1290                1295
Arg Ala Gly Gly Ala Val Leu Ser Ile Leu Asp Glu Met Glu Asn Val
            1300                1305                1310
Phe Val Trp Glu His Leu Gln Ser Tyr Glu Gly Gln Ser Arg Gly Ala
        1315                1320                1325
Trp Leu Gly Met Asn Phe Asn Pro Lys Gly Gly Thr Leu Val Trp Gln
    1330                1335                1340
Asp Asn Thr Ala Val Asn Tyr Ser Asn Trp Gly Pro Pro Gly Leu Gly
1345                1350                1355                1360
Pro Ser Met Leu Ser His Asn Ser Cys Tyr Trp Ile Gln Ser Asn Ser
                1365                1370                1375
Gly Leu Trp Arg Pro Gly Ala Cys Thr Asn Ile Thr Met Gly Val Val
            1380                1385                1390
Cys Lys Leu Pro Arg Ala Glu Gln Ser Ser Phe Ser Pro Ser Ala Leu
        1395                1400                1405
Pro Glu Asn Pro Ala Ala Leu Val Val Val Leu Met Ala Val Leu Leu
    1410                1415                1420
Leu Leu Ala Leu Leu Thr Ala Ala Leu Ile Leu Tyr Arg Arg Arg Gln
1425                1430                1435                1440
Ser Ile Glu Arg Gly Ala Phe Glu Gly Ala Arg Tyr Ser Arg Ser Ser
                1445                1450                1455
Ser Ser Pro Thr Glu Ala Thr Glu Lys Asn Ile Leu Val Ser Asp Met
            1460                1465                1470
Glu Met Asn Glu Gln Gln Glu
        1475
```